ISSN 0147-2135

ARL STATISTICS 1990-91

ARL STATISTICS, 1990-91

ARL STATISTICS 1990-91

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND NINETEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
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and
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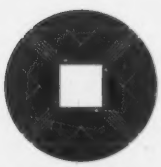

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1992

The *ARL Statistics* is published annually by

Association of Research Libraries
1527 New Hampshire Avenue, N.W.
Washington, D.C. 20036

Price: ARL Members $20.00/year
Nonmembers $60.00/year

ARL statistical data are also available from
the Association in machine-readable form.

Association of Research Libraries.
ARL statistics.
Washington, Association of Research Libraries.

v. 29 cm.

Began with 1974/75 issue.
Continues: Academic library statistics, ISSN 0571-6519
Key title: ARL statistics, ISSN 0147-2135

1. Libraries, University and College—United States—Statistics—Collected works. 2. Research Libraries—United States—Statistics—Collected works. 3. Libraries, University and College—Canada—Statistics—Collected works. 4. Research Libraries—Canada—Statistics—Collected works. I. Title.

Z675.U5A78 027.773 77-647280
MARC-S

Library of Congress 77

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Printed in the United States of America

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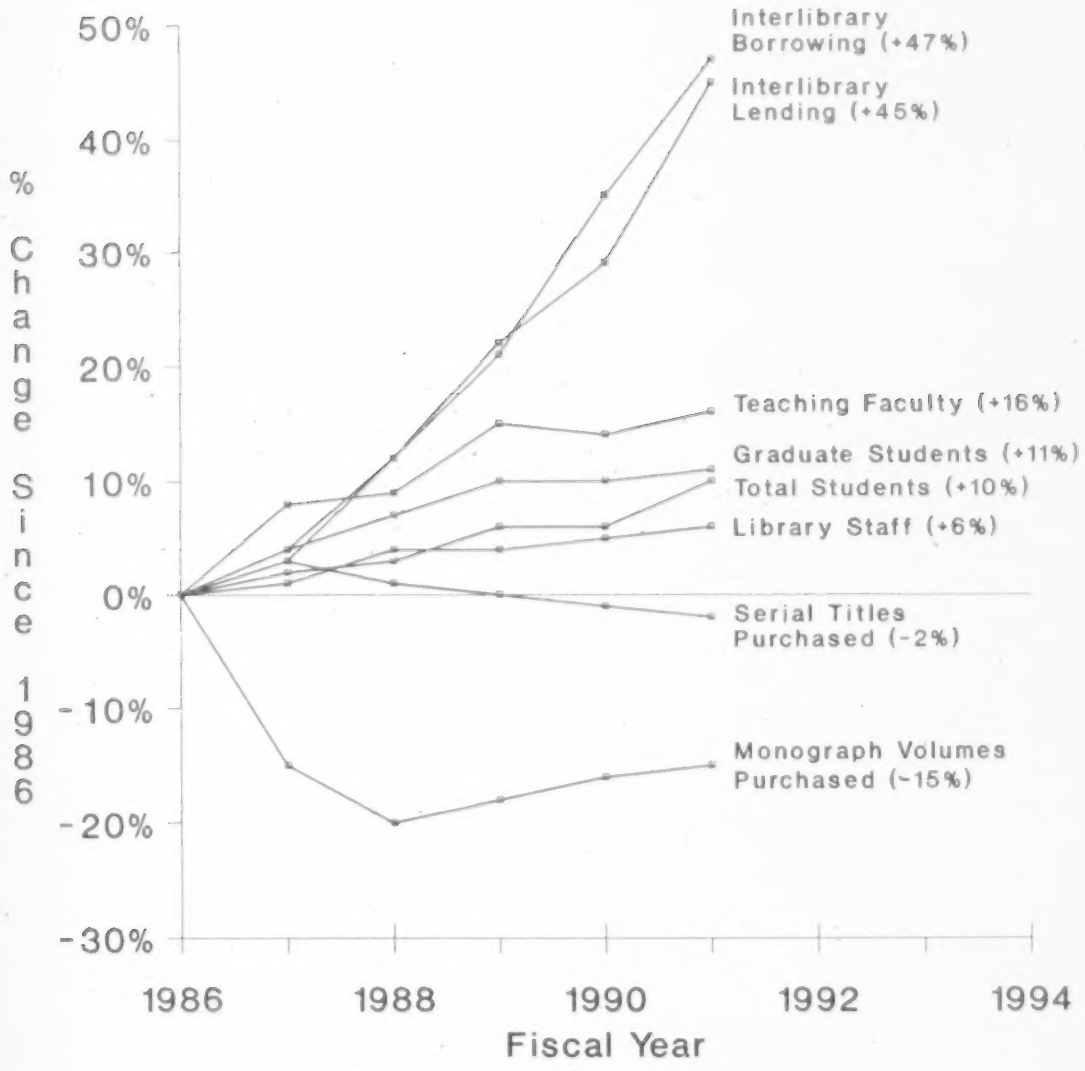
Supply and Demand in ARL Libraries, 1985-86--1990-91



Note: This graph compares growth in numbers of users with changes in on-site resources and resource-sharing.

INTRODUCTION

The 1990-91 *ARL Statistics* presents data for the U.S. and Canadian libraries that were members of the Association of Research Libraries during the 1990-91 fiscal year. The ARL membership consists of 107 university libraries and 12 public or private, independent research libraries.

For the first time since 1986 a new data category was added to the *ARL Statistics* this year, for separately shelved government documents. Included in this category are publications of federal, state, and provincial governments and international organizations that are not represented in the libraries' online or other regular catalogs and that are housed separately from the general collections. Documents that are classified and individually represented in the catalogs, whether or not they are housed separately, and regardless of the type of classification, are now to be included in the categories of Volumes in Library, Volumes Added, and Current Serials (Not Purchased and Total). For some libraries the addition of documents to volumes held and added and to serials may have produced discontinuities this year in their historical series of data. Other libraries continue to count some or all documents separately from volumes and serials, as the wide range of numbers in rank order table 5 for documents shows. Note that the data shown for government documents are for pieces, not for volumes, so that the documents counts cannot be simply added to the volume counts to derive a count of printed items in a library. The Footnotes to this volume and the instructions for the ARL statistics questionnaire may provide further clarification about how libraries are integrating documents into their statistics.

* * * * *

The 1990-91 data offer evidence to support recent arguments that research libraries are increasingly moving from the traditional supply or warehouse model, to a demand or access model for providing information to users. The graph on the facing page displays some medians for the university libraries in ARL. Over the five years from 1986 to 1991, the chief audience for ARL libraries, students and faculty, has grown by 10-16%. The new information resources available on campuses during that period, however, have declined by 15% for books and 2% for journals. Library staffing has increased only about half as much as the increases in the clientele. At the same time, there has been a 47% increase in books and journal articles that ARL libraries are getting from other libraries for their users; and, since a large amount of this resource-sharing traffic is among ARL members, lending of books and providing copies of articles has similarly risen 45%.

The increase in numbers of students and faculty to be served, the decline in on-site information resources, the slight increase in library staffing, and the steep rise in resource-sharing offer some useful indicators of which way the wind is blowing in research libraries:

- In 1985-86 ARL libraries typically bought 30 new monographs per faculty member. By 1991 that had slipped to 22 per faculty member. For graduate students, monographs decreased from 11 to 8 per student.

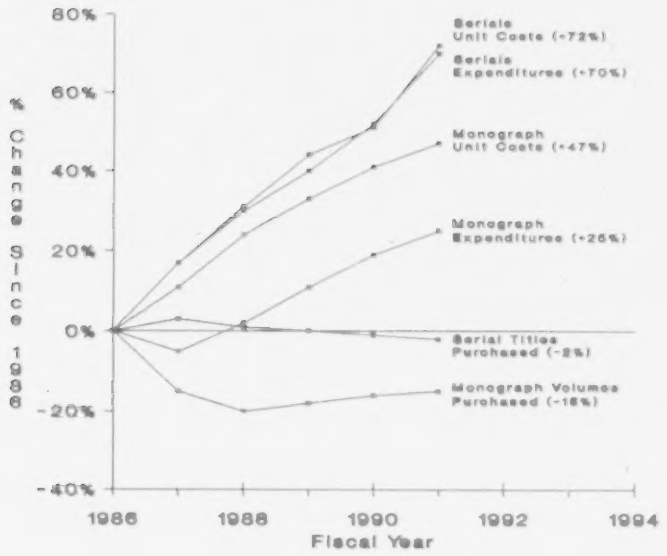
- In five years the number of journals and other serials per faculty member dropped from 14 to 12. In 1986 there was an average of 1 serial per student. By 1991 the average had

declined to 6 serials for every 7 students.

- At the same time, the numbers of books and articles obtained from other libraries increased from 6 to 8 per faculty member (about 26%) and from around 2 to 3 per graduate student (about 33%).

- Except for expenditures for serials, total materials, and staff, interlibrary borrowing and lending are the fastest-rising categories of the 27 data categories in the ARL statistics. ARL libraries now annually get 1.3 million books and journal articles needed by their users from other libraries.

Monograph and Serial Costs in ARL Libraries, 1985-86--1990-91



ARL libraries are moving from the "just in case" model of on-site resources to the "just in time" model of resource-sharing. The information-delivery capabilities of automation have been one stimulus to this movement. A compelling impetus has been the serials crisis in recent years. The graph above updates one in last year's *ARL Statistics*, and shows that the same trends are continuing. Since 1987 there has been a slow but perceptible decline in the numbers of paid serial subscriptions in ARL libraries. The libraries now offer users on-site access to about 98% of the journal literature that they made available four or five years ago. New monographs are down considerably more; faculty and students now have on-site access to only 85% of the new books available to them in 1986. Meanwhile, libraries are paying an astonishing amount more for less on-site access.

In five years the unit costs of serials to ARL libraries have risen 72%, to a 1991 median of $147.52. As the graph shows, expenditures for serials have increased precisely enough to cover the costs of 98% of the serial titles that the libraries had five years ago. Meanwhile, expenditures for

all on-site materials (not shown on the graph) have risen 51%. As a result, serials have taken an increasing slice of the materials budget. By 1991, serials accounted for more than three of every five dollars for on-campus materials in the median ARL library. If these trends persist, by 1993 serials unit costs and expenditures will be double what they were in 1986.

By being hostage to serials, ARL libraries have had fewer funds for other on-site materials, notably monographs. The unit costs of monographs have also been rising steadily but at a five-year rate that is about 40% of the rate of increase in serials costs. Nevertheless, as serials have gobbled up the materials budget, the money left for monographs has been only enough in recent years to buy about 85% of the new books bought in 1986.

It may be that serials cancellations among ARL members, much publicized in the last few years, will display a larger effect in 1991-92. For the moment, the graph above points to a troubled future for the traditional supply model of on-site materials. The graph on page 6, on the other hand, points to solutions in the on-demand model of resource-sharing. Paradoxically, however, "just in time" access to information requires enhancement of "just in case" collections and coordination of information resources at the state, regional, and national levels: you can't borrow something if no one owns it.

* * * * *

Those using the *ARL Statistics* to compare individual libraries should consult the "Footnotes" and the symbols in the "ARL Library Data Tables." Although definitions used in the *Statistics* aim at consistency, differing reporting practices do exist among member libraries. To aid comparability in the *ARL Statistics*, expenditures of Canadian libraries are expressed in U.S. dollars, at the rate of 1.1547 Canadian dollars to one U.S. dollar. This exchange rate is the average of the average monthly noon exchange rates published in the *Bank of Canada Review* for the period July, 1990-June, 1991. Expenditures reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

The quantitative rank order tables presented in this publication are not indicative of performance and outcomes, and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

Kendon Stubbs
University of Virginia Library
January 19, 1992

ARL LIBRARY DATA TABLES

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	
			1	2	3	4	5	6	7	8	
ALABAMA	+	1	1,863,474	53,318	49,296	26,409	17,270	675	17,945	2,568,140	1
ALBERTA	BLM+	2	3,179,572	88,920	792,922	41,213	17,525	5,571	23,096	3,203,608	
ARIZONA	LM+	3	3,817,361	128,928	123,663	65,852	26,314	5,605	31,919	4,136,746	
ARIZONA STATE	BL+	4	2,712,934	114,349	113,233	91,247	32,266	1,633	33,899	4,142,685	
BOSTON	LM+	5	1,809,437	54,835	46,385	22,804	18,039	11,398	29,437	2,991,402	
BRIGHAM YOUNG	+	6	2,132,747	72,848	69,363	54,590	11,418	6,940	18,358	1,756,261	
BRITISH COLUMBIA	GLM+	7	3,019,879	108,398	101,600	72,856	17,369	5,360	22,729	3,922,694	
BROWN	b+	8	2,503,827	45,798	45,018	39,018	12,641	2,151	14,792	1,193,175	
CALIFORNIA, BERKELEY	L+	9	7,697,027	188,270	156,793	U/A	U/A	U/A	87,530	4,666,786	
CALIFORNIA, DAVIS	bLM+	10	2,441,855	80,495	65,698	74,934	38,129	13,913	52,042	2,957,365	
CALIFORNIA, IRVINE	M+	11	1,500,867	52,251	51,621	34,037	18,793	729	19,522	1,825,445	
CALIFORNIA, LOS ANGELES	LM+	12	6,179,973	179,309	25,627	U/A	U/A	U/A	96,723	5,421,376	
CALIFORNIA, RIVERSIDE	+	13	1,916,286	48,897	45,955	31,149	8,247	4,236	12,483	1,365,797	
CALIFORNIA, SAN DIEGO	M+	14	2,055,113	123,304	105,716	41,704	17,783	6,001	23,784	2,074,212	3
CALIFORNIA, SANTA BARBARA	+	15	2,043,462	54,576	46,800	27,908	21,064	9,117	30,181	3,606,146	
CASE WESTERN RESERVE	LM+	16	1,732,430	36,320	33,340	16,506	11,526	3,785	15,311	1,970,710	
CHICAGO	bLM	17	5,328,849	140,573	136,288	69,108	U/A	U/A	46,976	1,834,585	
CINCINNATI	+	18	1,791,905	56,874	45,484	36,025	U/A	U/A	20,554	2,383,742	
COLORADO	L	19	2,349,410	64,816	62,674	40,003	15,571	10,992	26,563	4,225,610	1
COLORADO STATE	+	20	1,372,670	153,978	151,773	29,167	8,914	2,816	11,730	237,405	

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
037,763	9,145	7,413	62	74	46	182	1,167,393	2,076,429	45,097	27,000
439,140	53,858	16,417	84	258	35	377	1,444,458	2,846,207	U/A	0
0	40,507	9,167	98	182	96	376	1,949,935	3,333,139	444,810	345,492
631,872	34,131	8,858	108	214	93	415	2,914,385	3,128,873	355,420	9,606
0	12,629	13,147	67	148	58	273	460,468	2,519,065	333,007	0
326,036	17,302	16,040	94	46	220	360	1,952,000	1,874,648	U/A	0
760,610	28,210	14,879	105	254	47	406	2,535,788	2,810,485	U/A	U/A
0	10,022	6,547	84	113	77	274	1,649,945	1,847,088	11,095	0
107,931	55,200	20,088	171	287	318	776	3,365,395	4,853,611	U/A	U/A
752,968	40,317	9,820	75	188	64	327	2,171,395	3,071,799	478,252	0
461,444	20,513	13,660	59	119	56	234	1,238,010	2,224,834	163,345	162,091
69,907	76,733	11,281	140	322	200	662	3,890,784	4,278,536	186,534	U/A
4,432	10,052	12,039	39	86	45	170	1,133,250	1,382,301	111,088	0
,215,580	24,520	14,800	101	190	82	373	1,380,565	2,977,274	139,056	24,764
662,489	10,153	14,960	62	145	43	250	1,325,488	2,381,596	U/A	U/A
28,948	42,276	10,634	59	79	30	168	622,920	2,094,391	63,957	3,805
U/A	48,111	12,610	79	225	85	389	2,096,447	3,198,625	U/A	0
314,623	23,588	16,253	76	138	96	310	1,387,566	2,891,864	174,069	178,144
,465,718	29,520	11,973	55	109	65	229	1,392,394	2,717,432	325,095	282,593
358,893	25,763	19,109	40	75	22	137	904,244	1,447,965	37,810	250,732

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,315,919	164,679	1,569,925	1,232,892	428,220	3,231,037	1,048,052	7,759,687	ALABAMA
4,290,665	127,589	3,414,087	6,033,251	618,313	10,065,651	1,171,698	15,655,603	ALBERTA
6,073,376	352,033	3,216,317	2,726,435	845,457	6,788,209	1,494,876	14,708,494	ARIZONA
6,408,284	276,942	3,146,901	3,150,569	711,868	7,009,338	1,853,994	15,548,558	ARIZONA STATE
3,312,540	169,015	2,450,826	2,644,253	460,995	5,556,074	1,746,418	10,784,047	BOSTON
3,826,648	146,449	2,743,461	780,440	1,355,445	4,879,346	1,307,620	10,160,063	BRIGHAM YOUNG
5,346,273	211,676	4,637,420	5,653,252	974,807	11,265,479	1,784,191	18,607,619	BRITISH COLUMBIA
3,508,128	145,414	2,604,166	1,822,612	363,426	4,790,204	2,700,555	11,144,301	BROWN
8,219,006	779,411	6,275,605	8,347,554	5,299,400	19,922,559	3,802,439	32,723,415	CALIFORNIA, BERKELEY
5,721,446	355,939	3,440,959	4,901,213	807,781	9,149,953	1,079,926	16,307,264	CALIFORNIA, DAVIS
3,788,280	220,425	2,595,186	3,058,244	820,803	6,474,233	1,592,054	12,074,992	CALIFORNIA, IRVINE
8,355,854	674,258	6,716,828	8,432,718	2,257,017	17,406,563	5,489,411	31,926,086	CALIFORNIA, LOS ANGELES
2,626,639	167,555	1,587,970	1,980,212	464,289	4,032,471	735,977	7,562,642	CALIFORNIA, RIVERSIDE
4,521,659	358,289	3,518,190	4,342,520	1,111,297	8,972,007	2,434,722	16,286,677	CALIFORNIA, SAN DIEGO
3,707,084	284,168	2,751,502	3,240,551	809,590	6,801,643	1,658,706	12,451,601	CALIFORNIA, SANTA BARBARA
2,785,073	96,717	1,970,759	1,415,790	254,594	3,641,143	958,518	7,481,451	CASE WESTERN RESERVE
5,295,072	461,694	2,564,551	4,439,009	1,060,598	8,064,158	2,262,252	16,083,176	CHICAGO
4,631,643	173,211	1,898,852	3,348,873	842,769	6,090,494	1,580,209	12,475,557	CINCINNATI
4,717,514	163,934	2,360,990	2,636,700	660,779	5,658,469	832,569	11,372,486	COLORADO
2,640,751	115,700	1,337,599	1,496,820	298,836	3,133,255	818,121	6,707,827	COLORADO STATE

N/A - Not Applicable U/A - Unavailable

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COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
COLUMBIA	LM+	21	6,142,293	122,219	109,748	U/A	39,928	20,836	60,764	4,248,834
CONNECTICUT	GLM+	22	2,323,672	83,526	51,823	24,427	U/A	U/A	22,337	3,020,846
CORNELL	BL+	23	5,344,481	145,157	126,656	U/A	U/A	U/A	59,928	5,485,734
DARTMOUTH	M+	24	1,873,324	52,880	48,947	29,780	17,028	4,055	21,083	2,269,518
DELAWARE	G+	25	2,014,431	63,597	61,403	37,632	22,806	665	23,471	2,178,982
DUKE	+	26	4,016,036	167,705	161,367	42,803	19,976	15,578	35,554	1,591,803
EMORY	LM+	27	2,101,967	64,039	55,002	U/A	U/A	U/A	22,287	2,421,282
FLORIDA	LM+	28	2,966,891	110,496	99,806	53,995	24,341	3,490	27,831	4,610,433
FLORIDA STATE	+	29	1,936,507	116,660	106,681	U/A	U/A	U/A	18,751	3,774,891
GEORGETOWN	GLM+	30	1,855,343	60,718	57,656	39,186	21,738	2,104	23,842	2,149,557
GEORGIA	L+	31	2,968,339	79,535	79,231	29,177	U/A	U/A	54,851	4,682,067
GEORGIA TECH	+	32	1,697,021	49,940	48,843	U/A	U/A	U/A	22,227	3,187,633
GUELPH	b+	33	1,964,118	63,702	63,702	22,446	U/A	U/A	13,473	1,226,528
HARVARD	LM+	34	12,169,049	402,984	330,283	U/A	U/A	U/A	96,704	6,002,152
HAWAII	+	35	2,573,224	73,902	73,049	U/A	23,597	14,766	38,363	5,140,619
HOUSTON	L+	36	1,648,921	27,927	26,732	19,185	13,955	907	14,862	3,278,011
HOWARD	GLM+	37	1,832,793	49,934	48,917	19,149	24,280	1,869	26,149	3,335,282
ILLINOIS, CHICAGO	M	38	1,695,329	46,695	39,022	29,166	U/A	U/A	17,593	1,941,997
ILLINOIS, URBANA	L+	39	7,918,951	170,493	170,215	85,101	U/A	U/A	91,017	3,688,611
INDIANA	L+	40	5,099,250	156,020	132,110	U/A	37,232	1,550	38,782	2,809,120

B - Includes Branch Campuses
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9	10	11	12	13	14	15	16	17	18	19
157,852	31,913	10,535	165	324	144	633	2,983,326	4,464,099	U/A	84,455
U/A	35,526	11,576	72	99	60	231	1,039,877	2,812,827	293,659	136,083
U/A	24,355	14,190	173	287	110	570	2,818,983	3,850,982	450,212	55,211
79,000	17,064	10,065	50	107	28	185	1,086,308	2,062,168	137,459	0
68,854	14,045	4,990	53	114	47	214	1,792,062	2,127,493	U/A	202,611
101,493	30,005	9,577	99	182	50	331	1,023,442	3,249,607	113,207	25,566
0	22,608	9,288	63	151	49	263	2,024,081	2,333,724	398,456	281,145
457,373	42,016	10,948	116	210	113	439	1,638,932	2,580,174	591,421	508,393
1,089,784	32,225	9,688	60	125	59	244	1,410,171	2,578,309	65,008	48,884
350,786	10,061	5,717	76	150	70	296	1,676,915	2,121,360	353,103	0
U/A	36,967	7,724	83	193	84	360	1,388,738	3,163,751	329,498	0
0	12,420	3,367	45	46	19	110	399,592	1,565,195	163,041	0
U/A	2,304	4,523	31	115	14	160	805,770	1,288,342	87,749	22,183
U/A	49,623	13,626	365	597	172	1,134	5,071,198	5,178,276	1,613,925	2,542
U/A	8,770	3,086	66	103	66	235	994,945	2,295,190	177,429	0
615,172	16,090	11,453	42	98	57	197	550,516	1,923,229	112,356	134,042
0	3,305	568	80	127	26	233	811,030	3,193,287	U/A	0
552,941	108,392	55,369	77	174	43	294	1,669,237	2,360,903	10,019	12,126
U/A	127,343	55,797	142	248	112	502	2,185,239	3,707,269	18,709	230,914
0	47,002	23,938	126	197	152	475	2,398,975	2,992,609	533,434	343,697

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
7,531,880	595,863	6,170,867	5,936,262	1,439,921	13,547,050	3,721,895	25,396,688	COLUMBIA
4,282,446	254,531	U/A	U/A	721,645	7,257,092	1,857,452	13,651,521	CONNECTICUT
7,175,388	211,112	6,133,514	4,877,725	899,803	11,911,042	3,575,140	22,872,682	CORNELL
3,285,935	108,537	1,923,959	2,029,152	146,387	4,099,498	1,479,947	8,973,917	DARTMOUTH
4,122,166	191,881	1,916,953	2,008,336	416,727	4,342,016	836,187	9,492,250	DELAWARE
5,211,822	238,613	3,606,712	3,247,201	485,406	7,339,319	2,129,843	14,919,597	DUKE
5,037,406	188,885	2,378,842	2,658,535	548,987	5,586,364	2,733,325	13,545,980	EMORY
5,318,920	317,877	4,046,332	3,436,957	697,001	8,180,290	1,211,595	15,028,682	FLORIDA
4,102,372	217,642	1,789,158	1,683,888	441,272	3,914,318	657,000	8,891,332	FLORIDA STATE
4,151,378	197,788	2,821,144	2,749,200	737,398	6,307,742	1,832,554	12,489,462	GEORGETOWN
4,881,987	246,980	2,600,816	2,901,406	668,727	6,170,949	1,011,060	12,310,976	GEORGIA
2,127,828	70,607	2,080,113	559,673	88,785	2,728,571	593,973	5,520,979	GEORGIA TECH
2,204,044	92,990	1,505,933	2,432,900	137,237	4,076,070	330,572	6,703,676	GUELPH
11,865,941	968,629	14,764,923	12,259,403	1,186,119	28,210,445	9,204,177	50,249,192	HARVARD
3,467,564	222,142	2,959,304	2,262,331	748,990	5,970,625	686,594	10,346,925	HAWAII
2,720,143	100,638	1,582,606	1,233,840	513,302	3,329,748	763,768	6,914,297	HOUSTON
4,004,317	145,090	2,747,363	2,512,306	255,398	5,515,067	1,030,930	10,695,404	HOWARD
4,052,285	155,866	2,751,260	2,992,297	444,907	6,188,464	1,410,275	11,806,890	ILLINOIS, CHICAGO
6,142,131	242,440	4,994,155	4,238,184	951,261	10,183,600	2,914,263	19,482,434	ILLINOIS, URBANA
6,268,715	301,760	4,555,169	3,589,263	1,658,231	9,802,663	3,557,899	19,931,037	INDIANA

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
IOWA	**LM+**	**41**	**3,174,269**	**77,204**	**69,648**	**56,665**	**16,952**	**1,562**	**18,514**	**3,458,909**
IOWA STATE	**+**	**42**	**1,914,946**	**44,848**	**40,118**	**23,399**	**15,047**	**6,420**	**21,467**	**2,337,484**
JOHNS HOPKINS	**M+**	**43**	**2,902,881**	**75,729**	**67,217**	**40,958**	**15,774**	**4,903**	**20,677**	**1,594,430**
KANSAS	**B+**	**44**	**2,960,765**	**79,583**	**70,897**	**48,685**	**20,123**	**8,779**	**28,902**	**2,342,854**
KENT STATE	B+	45	2,428,223	47,639	30,805	18,065	9,662	3,946	14,038	1,508,172
KENTUCKY	LM+	46	2,212,083	56,597	51,221	16,152	U/A	U/A	27,902	4,802,822
LAVAL	+	47	1,855,291	64,424	61,923	22,807	11,098	4,743	15,841	983,481
LOUISIANA STATE	GL+	48	2,874,571	57,360	53,761	U/A	11,330	4,100	19,815	3,831,372
MCGILL	**bGLM+**	**49**	**2,570,377**	**70,614**	**60,398**	**35,027**	**14,530**	**3,282**	**17,812**	**1,161,647**
MCMASTER	**M+**	**50**	**1,596,911**	**46,214**	**39,248**	**28,027**	**11,035**	**4,256**	**15,291**	**1,251,402**
MANITOBA	**GLM**	**51**	**1,552,507**	**41,785**	**31,587**	**16,915**	**11,164**	**1,301**	**12,465**	**1,093,235**
MARYLAND	**+**	**52**	**2,119,523**	**71,330**	**64,120**	**24,056**	**20,136**	**2,689**	**22,825**	**4,385,087**
MASSACHUSETTS	+	53	2,445,150	47,969	46,326	19,530	11,895	1,912	13,807	1,839,181
MIT	+	54	2,223,822	55,015	42,949	20,596	9,587	11,990	21,577	1,785,133
MIAMI	LM+	55	1,739,855	51,526	42,274	27,388	14,162	4,187	18,349	2,874,699
MICHIGAN	LM+	56	6,579,152	128,783	113,561	U/A	36,844	33,313	70,157	4,307,844
MICHIGAN STATE	**+**	**57**	**2,811,363**	**81,083**	**64,283**	**35,758**	**13,667**	**14,475**	**28,142**	**4,485,965**
MINNESOTA	**bGLM+**	**58**	**4,761,630**	**117,678**	**110,519**	**U/A**	**33,659**	**8,645**	**42,304**	**3,308,038**
MISSOURI	**+**	**59**	**2,528,304**	**47,159**	**42,290**	**24,319**	**14,235**	**3,160**	**17,395**	**4,851,352**
NEBRASKA	**L+**	**60**	**2,059,989**	**49,193**	**46,441**	**17,046**	**16,864**	**3,912**	**20,776**	**3,148,595**

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
904,724	50,102	10,753	89	123	71	283	2,012,016	2,670,813	243,065	339,846
0	24,597	6,088	48	115	64	227	1,054,062	2,432,980	22,856	27,423
0	23,285	17,917	98	199	42	339	1,855,827	2,952,699	242,545	102,586
929,879	37,337	16,063	103	132	95	330	2,082,822	2,361,563	54,767	41,677
198	30,227	18,683	52	109	91	252	736,444	1,497,008	144,300	44,662
1,138,194	24,541	15,968	70	124	77	271	623,258	2,504,591	36,982	424,938
0	17,999	11,192	70	189	5	264	725,032	2,081,729	149,811	93,656
211,015	12,106	9,118	62	115	74	251	660,289	2,627,497	15,286	0
1,460,980	26,564	9,040	80	200	44	324	1,633,065	2,214,832	U/A	351,124
0	13,923	10,261	42	143	22	207	1,608,411	2,416,089	15,001	24,843
472,837	15,316	7,853	57	149	22	228	651,573	1,947,747	U/A	U/A
723,620	14,140	5,466	95	149	104	348	1,390,556	2,783,911	705,057	0
0	14,888	7,516	52	94	40	186	581,696	1,755,733	73,786	100,000
0	17,815	4,335	82	133	30	245	751,309	2,187,369	U/A	371,676
927,970	30,766	14,665	71	123	45	239	1,400,738	2,363,479	20,590	3,419
0	23,650	13,373	146	328	145	619	3,538,231	4,747,029	162,426	325,910
851,985	20,715	9,371	71	118	125	314	1,544,564	2,607,306	U/A	102,389
3,664,824	189,407	13,548	126	214	186	526	2,430,117	4,872,642	424,936	225,125
1,648,099	32,913	13,375	56	130	46	232	1,208,876	2,210,233	4,944	83,885
796,848	12,724	12,004	54	115	42	211	793,229	2,447,218	169,534	134,215

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
5,265,740	187,352	3,282,059	2,234,718	617,372	6,134,149	1,065,884	12,653,125	IOWA
3,537,321	165,006	1,871,357	2,364,994	558,900	4,795,251	1,384,767	9,882,345	IOWA STATE
5,153,657	150,782	3,623,096	3,711,108	403,206	7,737,410	4,824,211	17,866,060	JOHNS HOPKINS
4,540,829	199,287	2,979,724	2,470,097	765,540	6,215,361	1,177,016	12,132,493	KANSAS
2,422,414	92,072	1,655,907	2,414,359	688,757	4,759,023	918,217	8,191,726	KENT STATE
3,589,769	121,288	2,515,861	1,802,162	721,724	5,039,747	895,503	9,646,307	KENTUCKY
3,050,228	66,258	3,307,994	4,602,261	210,191	8,120,446	986,253	12,223,185	LAVAL
3,303,072	113,990	1,950,279	1,859,672	553,268	4,363,219	976,684	8,756,965	LOUISIANA STATE
4,199,021	164,861	3,833,030	4,990,590	490,482	9,314,102	1,006,415	14,684,399	MCGILL
4,064,344	116,819	1,711,209	3,291,572	323,888	5,326,669	464,455	9,972,287	MCMASTER
2,599,320	139,342	2,310,418	3,107,230	567,533	5,985,181	1,102,309	9,826,152	MANITOBA
4,879,524	204,581	3,232,503	3,406,783	1,148,979	7,788,265	2,795,072	15,667,442	MARYLAND
2,511,215	143,596	2,251,682	2,227,947	517,971	4,997,600	400,740	8,053,151	MASSACHUSETTS
3,310,354	155,259	2,724,403	2,699,395	349,303	5,773,101	1,274,675	10,513,389	MIT
3,788,226	140,677	2,458,339	1,982,192	392,522	4,833,053	1,716,481	10,478,437	MIAMI
8,773,596	298,624	5,521,016	6,086,795	1,409,610	13,017,421	3,669,777	25,759,418	MICHIGAN
4,254,259	204,097	2,807,787	2,761,015	1,253,624	6,822,426	1,650,660	12,931,442	MICHIGAN STATE
7,952,820	546,437	4,820,922	5,018,108	2,541,195	12,380,225	3,506,658	24,386,140	MINNESOTA
3,507,938	189,091	1,658,984	1,872,208	424,489	3,955,681	1,447,798	9,100,508	MISSOURI
3,544,196	135,289	1,895,971	1,784,366	425,173	4,105,510	1,069,226	8,854,221	NEBRASKA

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
NEW MEXICO	LM+	61	1,760,646	61,238	48,875	34,053	U/A	U/A	18,230	4,969,003
NEW YORK	LM+	62	3,151,486	74,899	58,866	42,580	27,641	1,176	28,817	2,867,794
NORTH CAROLINA	LM+	63	3,856,378	112,134	104,718	38,615	U/A	U/A	39,223	3,292,255
NORTH CAROLINA STATE	+	64	1,407,875	42,710	32,826	15,820	9,304	7,556	16,860	3,290,749
NORTHWESTERN	LM+	65	3,550,250	85,912	69,128	U/A	U/A	U/A	37,054	2,316,436
NOTRE DAME	GL+	66	2,094,598	107,735	97,992	U/A	U/A	U/A	20,231	1,471,397
OHIO STATE	bLM+	67	4,517,095	99,734	86,963	38,813	23,685	8,466	32,151	3,378,218
OKLAHOMA	bLM+	68	2,335,957	44,814	38,870	17,385	16,352	1,088	17,440	3,031,457
OKLAHOMA STATE	BM+	69	1,595,257	67,480	51,900	10,816	10,988	7,288	18,276	2,524,652
OREGON	L+	70	1,931,789	48,250	46,793	34,817	14,787	3,989	18,776	1,850,228
PENNSYLVANIA	LM+	71	3,756,762	95,568	90,976	57,544	U/A	U/A	32,118	2,550,765
PENNSYLVANIA STATE	B+	72	3,191,245	112,240	95,382	U/A	U/A	U/A	33,460	3,201,919
PITTSBURGH	bLM+	73	2,962,991	94,481	84,369	U/A	U/A	U/A	23,045	2,647,170
PRINCETON	+	74	4,839,356	135,239	122,305	68,765	U/A	U/A	32,950	2,653,806
PURDUE	bG+	75	1,968,656	50,619	43,674	18,442	16,149	2,089	18,238	1,883,565
QUEEN'S	bGLM+	76	1,838,616	44,270	41,723	30,390	15,089	777	15,866	3,049,375
RICE	+	77	1,501,162	39,884	35,943	22,152	10,730	1,610	12,340	2,106,732
ROCHESTER	M+	78	2,734,373	52,816	47,377	19,175	11,495	1,704	13,199	3,568,858
RUTGERS	BL+	79	3,302,416	97,601	82,593	44,705	25,532	2,629	28,161	4,080,922
SASKATCHEWAN	LM+	80	1,459,334	65,368	37,952	23,222	9,368	4,332	13,700	2,292,230

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
274,421	14,990	12,795	76	167	104	347	909,889	2,313,764	41,553	662,725
360,456	12,723	13,468	135	197	106	438	2,086,561	3,335,125	803,887	94,215
1,796,452	34,967	6,177	117	201	73	391	1,566,855	3,343,835	331,881	31,261
811,271	30,417	5,063	51	118	50	219	889,472	1,788,797	407,071	114,358
U/A	19,121	22,605	111	139	103	353	1,610,429	2,841,851	159,294	73,009
139,928	25,905	10,286	43	128	27	198	1,612,094	1,867,977	62,911	126,356
141,918	30,427	28,359	119	207	148	474	1,387,270	4,113,097	21,213	96,206
1,166,115	21,710	23,023	50	79	60	189	776,579	2,078,555	133,676	111,736
U/A	18,775	8,585	49	74	63	186	404,428	1,952,060	91,852	23,844
451,454	16,062	8,535	51	92	74	217	1,156,159	2,284,436	U/A	190,737
0	17,535	22,039	114	178	96	388	1,643,428	3,083,712	558,413	0
0	35,005	15,803	106	300	73	479	2,276,701	4,143,009	U/A	0
U/A	24,396	13,103	94	168	92	354	1,601,396	3,081,480	375,118	0
U/A	11,045	10,038	110	230	50	390	3,280,061	3,046,801	52,435	0
480,263	15,181	9,174	62	149	60	271	806,758	2,920,321	56,008	0
246,423	6,963	9,377	48	136	22	206	1,332,288	2,291,497	38,351	0
0	5,178	2,987	36	74	18	128	1,020,253	1,571,969	195,006	14,698
428,134	26,050	9,768	69	103	58	230	792,214	2,790,565	41,398	2,111
2,432,136	25,722	17,092	114	268	130	512	1,803,447	4,327,259	268,921	306,463
315,609	8,062	11,323	39	132	10	181	1,191,721	2,301,062	U/A	0

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,927,931	179,306	2,482,234	3,138,650	1,062,240	6,683,124	1,370,511	12,160,872	NEW MEXICO
6,319,788	325,214	4,850,628	4,259,914	966,350	10,076,892	2,407,278	19,129,172	NEW YORK
5,273,832	240,565	4,080,098	3,696,204	581,671	8,357,973	1,562,787	15,435,157	NORTH CAROLINA
3,199,698	129,967	1,648,805	2,129,989	442,131	4,220,925	1,096,669	8,647,259	NORTH CAROLINA STATE
4,684,583	218,571	4,031,020	2,791,806	970,180	7,793,006	1,566,459	14,262,619	NORTHWESTERN
3,669,338	115,869	1,563,985	1,953,055	249,813	3,766,853	1,487,560	9,039,620	NOTRE DAME
5,617,786	288,917	3,967,803	3,828,961	1,098,056	8,894,820	2,219,273	17,020,796	OHIO STATE
3,100,546	82,364	1,601,923	1,162,218	599,064	3,363,205	1,012,677	7,558,792	OKLAHOMA
2,472,184	79,586	1,534,140	913,239	416,435	2,863,814	1,664,165	7,079,749	OKLAHOMA STATE
3,631,332	140,353	1,773,040	1,614,130	654,414	4,041,584	1,134,850	8,948,119	OREGON
5,285,553	415,832	3,819,889	3,931,075	895,289	8,646,253	3,293,321	17,640,959	PENNSYLVANIA
6,419,710	480,735	U/A	U/A	U/A	10,006,012	1,598,585	18,505,042	PENNSYLVANIA STATE
5,057,994	213,097	2,965,628	2,719,612	664,659	6,349,899	1,862,948	13,483,938	PITTSBURGH
6,379,207	400,953	4,320,715	4,579,745	468,607	9,369,067	2,599,095	18,748,412	PRINCETON
3,783,087	133,285	2,266,537	2,237,517	516,503	5,020,557	1,228,819	10,165,748	PURDUE
3,662,136	143,585	5,606,813	U/A	194,189	5,801,002	548,593	10,155,316	QUEEN'S
2,801,926	53,738	1,012,707	1,377,772	110,902	2,501,381	1,050,016	6,407,061	RICE
3,626,288	132,668	2,280,528	1,596,797	327,782	4,205,107	875,240	8,839,303	ROCHESTER
6,706,090	400,847	5,852,848	6,597,643	1,358,127	13,808,618	1,676,944	22,592,499	RUTGERS
3,492,783	114,907	1,563,867	2,708,135	203,849	4,475,851	548,314	8,631,855	SASKATCHEWAN

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
SOUTH CAROLINA	**LM+**	**81**	**2,476,527**	**48,443**	**45,398**	**29,272**	**19,380**	**1,172**	**20,552**	**3,652,567**
SOUTHERN CALIFORNIA	**LM+**	**82**	**2,685,444**	**67,119**	**59,173**	**31,842**	**16,409**	**20,435**	**36,844**	**3,544,589**
SOUTHERN ILLINOIS	**GL+**	**83**	**2,144,277**	**50,092**	**42,467**	**17,674**	**16,775**	**1,056**	**17,831**	**3,242,664**
STANFORD	**BLM+**	**84**	**5,987,592**	**142,689**	**116,529**	**U/A**	**U/A**	**U/A**	**50,157**	**3,798,200**
SUNY-ALBANY	bB+	85	1,310,993	43,164	33,755	25,828	U/A	U/A	17,218	2,568,550
SUNY-BUFFALO	LM+	86	2,654,744	69,519	63,738	26,800	18,009	5,283	23,292	3,951,670
SUNY-STONY BROOK	M+	87	1,752,232	52,243	51,131	27,478	11,099	9,742	20,841	3,012,615
SYRACUSE	bGL+	88	2,352,547	32,829	19,871	19,523	16,733	U/A	16,733	3,665,711
TEMPLE	**GBLM+**	**89**	**2,107,910**	**48,862**	**43,512**	**21,081**	**13,176**	**2,238**	**15,414**	**1,599,676**
TENNESSEE	**L+**	**90**	**1,914,674**	**46,101**	**40,139**	**27,659**	**17,694**	**5,278**	**22,972**	**2,701,382**
TEXAS	**L+**	**91**	**6,505,219**	**215,341**	**211,970**	**55,604**	**29,031**	**23,151**	**52,182**	**4,583,288**
TEXAS A&M	**M+**	**92**	**1,962,346**	**71,944**	**69,892**	**U/A**	**14,765**	**10,663**	**25,428**	**4,018,612**
TORONTO	LM+	93	6,091,828	188,691	140,076	U/A	30,474	8,542	39,016	1,218,722
TULANE	GBLM+	94	1,851,203	50,735	48,293	28,771	U/A	U/A	17,236	2,088,239
UTAH	G+	95	1,870,457	58,970	56,897	U/A	9,553	2,591	12,144	2,511,016
VANDERBILT	GLM+	96	1,981,132	88,821	78,653	U/A	17,618	1,474	19,092	1,950,654
VIRGINIA	**GLM+**	**97**	**3,266,649**	**93,717**	**73,389**	**55,559**	**23,482**	**1,883**	**25,365**	**4,601,290**
VPI & SU	**+**	**98**	**1,754,830**	**54,735**	**44,628**	**16,874**	**13,665**	**2,600**	**16,265**	**5,201,012**
WASHINGTON	**LM+**	**99**	**5,065,669**	**153,014**	**123,993**	**36,251**	**U/A**	**U/A**	**53,408**	**5,490,794**
WASHINGTON STATE	**+**	**100**	**1,644,342**	**39,714**	**37,491**	**18,621**	**U/A**	**U/A**	**23,017**	**2,726,744**

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
628,355	14,237	11,257	61	103	44	208	989,869	2,158,703	39,853	U/A
202,197	8,110	4,664	101	159	98	358	1,788,855	3,416,321	71,417	0
374,440	59,439	10,063	49	95	90	234	472,436	2,473,580	101,423	59,885
U/A	17,399	8,500	156	292	88	536	4,448,803	4,005,357	U/A	U/A
378,083	31,135	9,057	48	86	43	177	1,162,287	1,612,979	268,259	281,152
530,055	33,900	12,439	94	109	86	289	1,197,317	2,139,720	307,082	224,494
300,000	25,408	7,119	50	118	54	222	956,238	2,399,593	50,516	403,955
361,452	9,143	7,257	68	142	45	255	976,396	2,351,679	209,134	U/A
148,535	10,891	6,662	67	104	49	220	1,242,274	1,944,532	41,462	254,455
104,947	15,529	13,042	64	146	48	258	935,623	2,591,139	69,779	38,661
0	28,630	17,055	142	377	77	596	2,213,373	3,450,108	239,398	149,598
U/A	47,287	21,021	71	159	78	308	1,094,888	3,000,063	211,062	0
1,636,885	19,614	6,796	166	441	85	692	3,680,918	4,128,857	U/A	U/A
852,702	12,811	10,098	53	99	33	185	1,599,690	2,036,910	44,531	50,981
648,387	13,690	7,696	50	110	57	217	1,773,716	816,092	U/A	U/A
284,909	14,785	10,182	86	155	60	301	1,407,777	2,434,647	96,416	0
1,212,673	31,028	12,268	89	181	70	340	1,931,111	3,217,737	635,494	0
343,460	17,832	9,048	51	106	73	230	805,139	2,792,250	U/A	289,613
U/A	81,377	6,024	128	247	136	511	2,163,160	4,920,883	6,446	U/A
U/A	30,944	5,125	45	112	52	209	782,776	2,183,137	43,564	0

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
3,188,425	133,334	1,964,410	1,723,515	338,525	4,026,450	1,135,817	8,484,026	SOUTH CAROLINA
5,276,593	166,259	4,420,790	2,698,096	623,538	7,742,424	2,046,043	15,231,319	SOUTHERN CALIFORNIA
3,107,324	152,296	1,855,936	1,702,744	776,145	4,334,825	878,550	8,472,995	SOUTHERN ILLINOIS
8,454,160	429,327	7,325,484	8,543,935	1,423,598	17,293,017	5,521,358	31,697,862	STANFORD
3,324,677	76,892	1,863,441	1,720,100	496,797	4,080,338	972,195	8,454,102	SUNY-ALBANY
3,868,613	155,600	3,457,747	2,368,013	696,757	6,522,517	1,759,714	12,306,444	SUNY-BUFFALO
3,810,302	97,496	2,317,823	2,555,046	304,196	5,177,065	457,778	9,542,641	SUNY-STONY BROOK
3,537,209	87,220	2,344,191	2,081,758	396,847	4,822,796	1,270,672	9,717,897	SYRACUSE
3,482,723	160,898	2,383,174	1,889,302	441,511	4,713,987	1,436,605	9,794,213	TEMPLE
3,635,202	140,768	2,074,325	2,237,222	413,297	4,724,844	612,482	9,113,296	TENNESSEE
6,052,477	184,452	4,693,890	5,433,604	884,522	11,012,016	2,198,458	19,447,403	TEXAS
4,306,013	124,755	2,316,646	2,046,685	719,308	5,082,639	2,017,758	11,531,165	TEXAS A&M
7,809,775	282,655	7,004,405	9,301,919	998,592	17,304,916	3,033,469	28,430,815	TORONTO
3,732,112	117,978	1,699,771	1,429,745	244,924	3,374,440	1,018,920	8,243,450	TULANE
2,589,808	110,620	1,251,070	1,815,747	622,085	3,688,902	1,443,672	7,833,002	UTAH
3,938,840	174,931	2,847,268	2,487,669	369,238	5,704,175	2,083,841	11,901,787	VANDERBILT
5,784,342	258,635	3,377,792	3,430,644	684,842	7,493,278	1,649,739	15,185,994	VIRGINIA
3,887,002	163,109	1,482,988	2,084,296	465,756	4,033,040	1,066,650	9,149,801	VPI & SU
7,090,489	339,958	4,684,152	4,862,875	1,264,817	10,811,844	4,137,550	22,379,841	WASHINGTON
3,009,477	132,885	1,287,372	2,477,281	578,848	4,343,501	1,133,404	8,619,267	WASHINGTON STATE

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
WASHINGTON U.-ST. LOUIS	LM+	101	2,642,917	70,316	46,667	24,774	18,571	360	18,931	2,364,467
WATERLOO	B+	102	1,625,111	44,707	37,464	35,231	14,890	474	15,364	928,447
WAYNE STATE	bLM+	103	2,578,970	205,836	204,139	26,573	16,394	8,264	24,658	3,157,959
WESTERN ONTARIO	LM+	104	2,011,123	68,608	49,737	U/A	U/A	U/A	17,033	2,564,922
WISCONSIN	LM+	105	5,133,457	111,900	97,313	74,628	U/A	U/A	49,626	3,536,767
YALE	bGLM+	106	9,013,561	166,244	150,793	103,331	U/A	U/A	52,210	3,688,458
YORK	BL+	107	1,901,562	59,262	50,080	U/A	19,917	U/A	19,917	U/A
BOSTON PUBLIC LIBRARY	G+	108	5,904,605	260,673	-88,029	152,387	16,923	U/A	16,923	4,416,851
CANADA INST. FOR SCITECH.	b+	109	2,305,513	53,599	53,599	21,599	27,361	3,113	30,474	2,246,996
CENTER FOR RESEARCH LIBS.	+	110	3,017,716	46,296	46,296	5,250	13,548	U/A	13,548	1,273,135
LIBRARY OF CONGRESS	L+	111	22,036,877	289,446	278,434	108,349	29,927	U/A	150,000	8,690,174
LINDA HALL LIBRARY	G+	112	663,372	16,100	15,972	8,000	10,800	2,000	12,800	47,400
NATL. AGRICULTURAL LIB.	b+	113	2,104,735	38,054	38,004	6,525	8,310	14,700	23,010	948,647
NATL. LIBRARY OF CANADA	bG+	114	1,461,485	117,530	117,162	10,372	6,385	39,044	45,429	4,891,820
NATL. LIBRARY OF MEDICINE	M+	115	2,000,511	43,237	43,105	13,799	23,848	3,557	27,405	309,784
NEWBERRY LIBRARY	bG+	116	1,439,324	6,297	6,290	5,404	U/A	U/A	6,297	257,975
NEW YORK PUBLIC LIBRARY	+	117	6,624,748	125,459	113,743	76,022	U/A	U/A	156,615	3,607,324
NEW YORK STATE LIBRARY	LM+	118	2,177,147	27,214	27,162	9,514	9,163	11,087	20,250	5,103,155
SMITHSONIAN INSTITUTION	GB+	119	1,120,741	21,391	19,718	6,833	3,215	11,168	14,383	U/A

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

INTERLIBRARY LOANS			PERSONNEL (FTE)				EXPENDITURES			
Govt. Docs.	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18	19
4,000	23,722	16,051	82	132	52	266	1,164,083	2,958,184	137,011	360,942
0	7,222	4,771	46	136	17	199	1,586,779	1,830,042	U/A	U/A
402,928	38,060	5,879	78	96	64	238	1,859,364	2,314,395	U/A	114,546
0	11,937	4,570	47	200	40	287	1,553,526	2,842,689	U/A	0
594,613	90,081	14,469	148	211	162	521	2,415,581	4,084,110	569,387	0
933,016	15,081	10,397	195	411	83	689	2,594,900	3,623,500	926,500	2,559,900
U/A	9,599	3,860	55	152	50	257	1,246,026	1,950,456	71,254	101,836
1,337,832	31,816	1,236	207	346	35	588	5,116,007	1,021,771	293,035	0
U/A	369,000	0	73	141	11	225	U/A	U/A	U/A	U/A
750,000	33,361	0	26	32	14	72	35,617	228,184	578,006	0
U/A	63,787	629	1,614	3,431	N/A	5,045	2,941,636	3,335,847	3,430,558	184,736
U/A	33,678	84	20	41	N/A	61	205,000	1,307,000	U/A	40,000
U/A	9,786	2,345	132	88	15	235	250,000	1,800,000	75,000	U/A
2,814,676	102,014	1,535	197	301	U/A	498	142,362	1,048,089	1,918,194	U/A
U/A	207,670	435	162	106	21	289	913,791	2,788,250	241,295	0
N/A	581	210	56	51	N/A	107	343,801	146,056	U/A	U/A
5,460	5,387	2,519	U/A	U/A	100	801	3,287,772	3,021,052	776,896	0
U/A	41,482	2,208	89	119	N/A	208	623,820	2,044,686	0	0
U/A	6,794	13,623	54	71	N/A	125	420,287	573,448	16,500	185,983

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
20	21	22	23	24	25	26	27	
4,620,220	143,225	2,532,414	2,123,290	442,999	5,098,703	2,454,339	12,316,487	WASHINGTON U.-ST. LOUIS
3,416,821	89,465	2,045,595	2,824,948	280,124	5,150,667	704,094	9,361,047	WATERLOO
4,288,305	166,507	2,883,959	2,119,820	668,880	5,672,659	1,863,323	11,990,794	WAYNE STATE
4,396,215	185,113	U/A	6,281,698	726,778	7,008,476	636,823	12,226,627	WESTERN ONTARIO
7,069,078	234,806	5,223,506	4,612,989	1,574,429	11,410,925	4,305,420	23,030,227	WISCONSIN
9,704,800	415,800	7,487,700	6,639,200	805,600	14,928,500	5,102,100	30,151,200	YALE
3,369,571	188,671	2,906,451	3,642,270	666,582	6,894,303	1,500,663	11,963,108	YORK
6,430,813	55,016	U/A	U/A	U/A	17,544,344	4,390,967	28,421,160	BOSTON PUBLIC LIBRARY
7,273,834	33,132	U/A	U/A	U/A	7,870,442	7,021,529	22,198,937	CANADA INST. FOR SCITECH.
841,807	0	U/A	U/A	U/A	1,451,829	606,808	2,900,444	CENTER FOR RESEARCH LIBS.
9,892,777	1,000,000	U/A	U/A	N/A	175,879,000	120,330,223	307,102,000	LIBRARY OF CONGRESS
1,552,000	75,000	U/A	U/A	U/A	1,207,000	714,000	3,548,000	LINDA HALL LIBRARY
2,125,000	100,000	6,400,000	2,401,000	200,000	8,001,000	8,572,000	16,790,000	NATL. AGRICULTURAL LIB.
3,708,645	48,670	U/A	U/A	U/A	18,717,496	9,710,621	31,585,432	NATL. LIBRARY OF CANADA
3,943,336	200,000	7,010,000	2,414,000	323,000	9,747,000	9,780,000	23,670,336	NATL. LIBRARY OF MEDICINE
489,857	7,000	U/A	U/A	U/A	2,716,727	2,742,584	5,956,168	NEWBERRY LIBRARY
7,085,720	450,340	U/A	U/A	859,900	19,003,010	11,610,570	38,149,640	NEW YORK PUBLIC LIBRARY
2,668,506	36,000	U/A	U/A	U/A	5,982,371	1,273,773	9,960,650	NEW YORK STATE LIBRARY
1,196,218	90,000	2,188,207	1,404,324	N/A	3,592,531	727,753	5,606,502	SMITHSONIAN INSTITUTION

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

TOTALS

COLLECTIONS

Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Monographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	Government Documents
1	2	3	4	5	6	7	8	9
			UNIVERSITY MEDIAN					
2,335,957	67,480	58,866	29,177	16,754	4,022	22,287	3,002,009	359,675
			UNIVERSITY HIGH					
12,169,049	402,984	792,922	103,331	39,928	33,313	96,723	6,002,152	3,664,824
			UNIVERSITY LOW					
1,310,993	27,927	19,871	10,816	8,247	360	11,730	237,405	0
			TOTALS - UNIVERSITY LIBRARIES					
316,946,188	9,143,527	8,666,441	2,942,638	1,374,269	432,227	3,026,380	318,276,038	47,897,999
			TOTALS - NON-UNIVERSITY LIBRARIES					
50,856,774	1,045,296	671,456	424,054	149,480	84,669	517,134	31,793,261	4,907,967
			GRAND TOTALS - ALL ARL LIBRARIES					
367,802,962	10,188,823	9,337,897	3,366,692	1,523,749	516,896	3,543,514	350,069,299	52,805,966

ARL LIBRARY DATA TABLE

TOTALS

INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
10	11	12	13	14	15	16	17	18	19
				UNIVERSITY MEDIAN					
23,588	10,397	72	142	63	271	1,400,738	2,519,065	141,678	48,884
				UNIVERSITY HIGH					
189,407	55,797	365	597	318	1,134	5,071,198	5,178,276	1,613,925	2,559,900
				UNIVERSITY LOW					
2,304	568	31	46	5	110	399,592	816,092	4,944	0
				TOTALS - UNIVERSITY LIBRARIES					
3,036,735	1,277,259	9,050	17,720	7,874	34,644	169,025,190	290,642,258	18,582,182	12,907,190
				TOTALS - NON-UNIVERSITY LIBRARIES					
905,356	24,824	2,630	4,727	196	8,254	14,280,093	17,314,383	7,329,484	410,719
				GRAND TOTALS - ALL ARL LIBRARIES					
3,942,091	1,302,083	11,680	22,447	8,070	42,898	183,305,283	307,956,641	25,911,666	13,317,909

ARL LIBRARY DATA TABLE

TOTALS

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.
20	21	22	23	24	25	26	27
			UNIVERSITY MEDIAN				
4,064,344	167,555	2,602,491	2,698,746	620,199	5,985,181	1,447,798	11,990,794
			UNIVERSITY HIGH				
11,865,941	968,629	14,764,923	12,259,403	5,299,400	28,210,445	9,204,177	50,249,192
			UNIVERSITY LOW				
2,127,828	53,738	1,012,707	559,673	88,785	2,501,381	330,572	5,520,979
			TOTALS - UNIVERSITY LIBRARIES				
491,156,820	23,253,591	329,189,266	338,347,211	77,676,311	761,754,247	193,469,099	1,469,633,757
			TOTALS - NON-UNIVERSITY LIBRARIES				
46,608,513	2,095,178	14,598,207	6,219,324	1,382,900	271,712,750	175,480,828	495,897,269
			GRAND TOTALS - ALL ARL LIBRARIES				
537,765,333	25,348,769	343,787,473	344,566,535	79,059,211	1,033,466,997	368,949,927	1,965,531,026

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 107 university library members.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	41	26	16
2. Nonprofessional Staff as percent of Total Staff	73	51	13
3. Student Assistant Staff as percent of Total Staff	61	22	2
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	2.0:1	0.5:1	0.2:1
5. Ratio of Items Loaned to Items Borrowed	14.0:1	2.0:1	0.5:1
6. Serials Expenditures as percent of Materials Expenditures	80	61	32
7. Materials Expenditures as percent of Total Operating Expenditures	46	35	24
8. Contract Binding as percent of Total Operating Expenditures	2.9	1.5	0.5
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	66	50	39
10. Other Operating Expenditures as percent of Total Operating Expenditures	27	13	5
11. Unit cost of monographs (per volume)	69.97	40.77	20.19
12. Unit cost of serials (per title)	245.63	147.52	80.38

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
ALABAMA	93	47	794	16,916	2,878	2,116	1,497
ALBERTA	200	55	1,788	24,678	4,373	2,807	1,083
ARIZONA	382	91	1,576	27,687	8,048	4,944	3,269
ARIZONA STATE +	188	38	1,528	28,289	14,663	4,449	6,476
BOSTON	168	46	1,045	21,122	6,879	6,353	3,412
BRIGHAM YOUNG	72	33	1,400	28,779	3,246	1,796	1,240
BRITISH COLUMBIA	203	83	1,974	22,593	5,118	3,704	1,100
BROWN	173	34	535	5,587	335	1,498	157
CALIFORNIA, BERKELEY +	782	107	1,471	21,331	U/A	8,730	U/A
CALIFORNIA, DAVIS	347	61	1,537	21,714	2,184	5,127	275
CALIFORNIA, IRVINE	134	30	1,239	16,761	0	3,079	0
CALIFORNIA, LOS ANGELES	538	71	1,672	33,702	2,681	11,695	351
CALIFORNIA, RIVERSIDE	92	30	573	7,765	950	1,241	86
CALIFORNIA, SAN DIEGO +	210	46	1,054	16,833	964	3,212	95
CALIFORNIA, SANTA BARBARA	167	59	793	18,311	794	1,992	163
CASE WESTERN RESERVE	173	43	1,693	5,561	2,658	3,123	2,329
CHICAGO	314	54	1,204	9,201	1,666	5,880	1,619
CINCINNATI +	184	54	1,103	20,015	10,898	3,914	2,896
COLORADO	266	45	1,064	22,304	6,300	2,367	3,612
COLORADO STATE	197	38	1,614	17,516	2,774	1,978	942
COLUMBIA	397	66	2,167	14,537	3,705	9,685	2,881
CONNECTICUT	228	64	1,211	16,251	5,822	3,276	3,858
CORNELL	497	76	1,544	18,332	57	5,549	39
DARTMOUTH	37	12	833	4,753	99	1,030	56
DELAWARE	133	34	972	13,982	4,218	1,540	1,128
DUKE	210	55	1,530	10,662	631	4,413	555
EMORY	113	44	1,624	8,089	1,301	2,951	1,180
FLORIDA +	358	85	2,362	28,983	6,488	3,762	2,094
FLORIDA STATE +	257	65	1,043	22,451	5,719	3,563	2,564
GEORGETOWN	73	21	1,284	9,418	2,107	3,839	1,780
GEORGIA	233	58	1,735	24,085	4,310	4,319	1,701
GEORGIA TECH	156	61	615	10,857	1,384	2,221	750
GUELPH	64	31	744	11,143	2,088	1,082	172
HARVARD +	342	44	1,479	17,057	1,122	10,441	1,116
HAWAII	128	45	1,078	13,344	5,366	2,924	3,088
HOUSTON	87	43	878	19,674	13,442	2,348	4,329
HOWARD +	62	24	1,345	8,992	1,732	1,889	760
ILLINOIS, CHICAGO	195	45	1,730	16,558	5,748	2,691	3,150
ILLINOIS, URBANA	702	88	2,085	32,539	3,227	7,050	2,271
INDIANA	277	76	1,401	29,751	5,702	4,806	3,026
IOWA	339	57	1,705	21,919	6,866	5,514	3,864
IOWA STATE	297	80	1,265	21,985	3,753	2,659	2,037
JOHNS HOPKINS	247	60	750	6,224	7,114	3,108	5,357

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990 Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
KANSAS	202	69	1,496	22,777	6,132	4,496	4,385
KENT STATE	127	18	861	21,497	11,004	1,478	3,391
KENTUCKY	182	57	1,210	17,188	5,354	3,010	2,424
LAVAL	210	57	1,617	23,763	11,032	3,397	2,559
LOUISIANA STATE	186	53	1,201	21,058	5,058	3,602	1,747
MCGILL +	217	55	1,543	18,665	3,863	4,151	2,134
MCMASTER	108	35	1,044	12,729	4,156	1,511	722
MANITOBA	84	41	1,295	12,918	8,128	1,994	881
MARYLAND +	453	73	1,187	25,763	9,074	4,220	4,946
MASSACHUSETTS +	271	49	1,228	19,819	6,213	2,431	4,006
MIT	497	84	1,047	9,195	433	4,869	370
MIAMI	112	45	1,722	11,752	2,093	3,841	1,204
MICHIGAN	644	147	2,351	32,483	3,911	10,668	2,523
MICHIGAN STATE	391	73	2,099	35,969	8,348	4,851	4,632
MINNESOTA	706	101	1,493	24,334	32,841	5,871	6,904
MISSOURI	212	59	873	20,694	4,278	3,522	2,692
NEBRASKA	201	29	1,111	18,995	5,458	2,211	2,160
NEW MEXICO	152	40	1,142	14,966	8,989	2,540	4,452
NEW YORK	404	155	2,113	20,432	27,053	8,425	9,250
NORTH CAROLINA	312	62	2,134	19,453	4,425	4,866	3,345
NORTH CAROLINA STATE	256	50	1,571	17,870	8,813	1,586	2,556
NORTHWESTERN +	327	74	1,739	13,451	3,684	5,906	1,716
NOTRE DAME	101	23	608	9,663	344	2,178	303
OHIO STATE	639	97	2,425	42,331	11,781	5,307	4,921
OKLAHOMA	121	71	1,470	16,285	5,705	2,253	3,083
OKLAHOMA STATE	238	37	1,290	22,888	9,153	1,690	2,768
OREGON +	198	48	688	15,195	2,946	2,921	877
PENNSYLVANIA	462	64	1,875	18,290	3,635	8,747	1,750
PENNSYLVANIA STATE	443	92	2,826	54,430	16,949	4,296	5,894
PITTSBURGH	344	65	2,570	18,694	9,426	5,206	4,439
PRINCETON	244	44	696	4,552	0	1,797	0
PURDUE +	430	54	1,414	30,939	4,708	3,878	1,963
QUEEN'S +	103	28	756	12,914	4,327	1,911	676
RICE	100	28	409	3,992	244	1,252	116
ROCHESTER +	164	50	1,221	7,519	1,772	2,283	1,356
RUTGERS	272	61	2,050	32,763	14,807	5,957	8,507
SASKATCHEWAN	61	54	1,155	14,222	3,711	1,223	383
SOUTH CAROLINA	220	63	1,061	13,538	2,479	3,049	5,458
SOUTHERN CALIFORNIA	332	59	1,196	19,735	8,639	5,739	7,015
SOUTHERN ILLINOIS +	152	30	1,018	19,081	5,003	753	2,858
STANFORD	546	81	1,406	12,318	2,839	5,752	1,270
SUNY-ALBANY	81	21	664	12,907	4,498	2,055	2,891
SUNY-BUFFALO +	256	67	1,466	19,041	8,602	4,856	3,956

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1990			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
SUNY-STONY BROOK	248	32	1,311	12,780	4,843	3,064	3,156
SYRACUSE +	195	68	951	16,403	5,497	2,669	3,735
TEMPLE +	249	53	1,604	18,613	11,101	4,190	5,330
TENNESSEE	191	50	1,225	19,569	6,010	3,212	2,835
TEXAS +	704	79	2,061	43,336	6,281	11,052	1,413
TEXAS A&M	438	96	2,200	36,095	4,429	5,252	2,068
TORONTO	397	70	2,800	39,005	16,229	6,115	3,796
TULANE +	63	40	927	8,868	2,166	3,282	383
UTAH	201	60	907	16,482	8,943	3,294	1,122
VANDERBILT +	155	38	1,458	8,542	694	3,326	623
VIRGINIA	261	45	976	16,818	4,292	5,664	3,098
VPI & SU	332	91	1,501	18,266	66	3,618	3,018
WASHINGTON	472	78	2,892	27,034	6,502	5,793	1,866
WASHINGTON STATE	164	43	975	16,304	2,109	1,837	991
WASHINGTON U.-ST. LOUIS +	114	46	576	8,273	3,717	3,191	2,143
WATERLOO	118	48	905	15,594	8,420	1,652	420
WAYNE STATE	140	66	1,718	15,499	18,505	5,526	7,667
WESTERN ONTARIO	104	33	1,452	16,503	3,489	2,540	210
WISCONSIN	708	119	2,227	36,189	7,020	9,404	2,250
YALE	326	46	1,702	10,568	430	5,386	322
YORK	65	55	1,237	23,451	16,693	1,984	1,498

* These figures were reported on ARL questionnaires and have not been verified with the U.S. NCES.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

SUMMARY OF RANK ORDER TABLES OF UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the seventeen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions that are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library (107)
Table 2 - Volumes Added (Gross) (107)
Table 3 - Current Serials (Total) (107)
Table 4 - Microform Holdings (Total) (106)
Table 5 - Government Documents (90)
Table 6 - Materials Expenditures (107)
Table 7 - Salaries & Wages Expenditures (107)
Table 8 - Other Operating Expenditures (107)
Table 9 - Total Operating Expenditures (107)
Table 10 - Monographs Purchased (Volumes) (83)
Table 11 - Expenditures For Monographs (107)
Table 12 - Serials Purchased (Titles) (76)
Table 13 - Expenditures for Serials (107)
Table 14 - Total Items Loaned (107)
Table 15 - Total Items Borrowed (107)
Table 16 - Professional Staff (FTE) (107)
Table 17 - Nonprofessional Staff (FTE) (107)
Table 18 - Total Staff (FTE) (107)

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ALABAMA	81	73	78	64	14	85	103	77	98	53	69	34	86	98	83	67	103	99
ALBERTA	27	35	47	45	39	46	18	66	28	21	51	32	39	9	15	40	13	27
ARIZONA	21	17	29	21	71	20	43	51	35	9	27	10	21	17	70	31	34	28
ARIZONA STATE	39	23	24	20	28	15	38	34	29	2	9	6	27	25	75	24	19	21
BOSTON	87	70	31	54	71	86	62	38	61	62	105	27	54	87	34	62	50	53
BRIGHAM YOUNG	59	47	73	91	49	61	72	60	67	14	26	62	94	68	19	34	106	30
BRITISH COLUMBIA	30	28	52	25	23	25	13	36	19	6	12	33	43	40	23	26	14	22
BROWN	47	95	97	101	71	77	76	19	60	25	38	58	96	96	88	40	79	52
CALIFORNIA, BERKELEY	4	5	4	11	62	6	2	8	2	U/A	6	U/A	4	8	9	4	10	2
CALIFORNIA, DAVIS	50	40	12	55	24	23	23	72	24	4	19	2	30	18	62	53	33	41
CALIFORNIA, IRVINE	103	76	67	89	35	63	46	46	53	36	65	25	74	59	28	73	70	70
CALIFORNIA, LOS ANGELES	7	6	1	4	65	5	3	3	3	U/A	3	U/A	8	6	47	12	7	5
CALIFORNIA, RIVERSIDE	75	85	103	97	68	100	93	95	99	38	73	76	105	95	41	104	98	102
CALIFORNIA, SAN DIEGO	65	19	44	81	2	43	24	22	25	20	60	29	34	49	24	28	31	29
CALIFORNIA, SANTA BARBARA	66	72	30	33	26	67	42	42	45	47	62	19	62	93	22	67	52	64

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IOWA	28	43	72	37	18	31	52	75	42	11	25	36	48	10	51	37	68	51
IOWA STATE	76	96	57	73	71	75	75	58	70	59	76	47	59	47	90	93	74	79
JOHNS HOPKINS	35	44	61	93	71	33	34	5	21	22	30	44	36	55	12	31	27	38
KANSAS	34	41	32	72	16	42	49	65	52	16	23	21	64	20	17	27	60	40
KENT STATE	51	90	98	95	70	105	77	87	95	74	96	70	103	36	11	82	82	62
KENTUCKY	57	68	36	9	12	73	69	88	74	81	100	U/A	55	48	20	58	67	54
LAVAL	83	58	91	104	71	94	29	83	50	61	97	66	84	63	49	58	32	57
LOUISIANA STATE	36	66	66	26	56	88	81	84	87	U/A	98	63	49	89	71	67	74	63
MCGILL	45	50	80	102	8	50	22	82	36	33	41	51	75	41	74	45	25	42
MCMASTER	99	93	95	98	71	54	64	104	69	46	44	67	60	82	56	101	53	89
MANITOBA	101	102	104	103	34	101	54	70	71	78	99	64	91	73	79	75	47	78
MARYLAND	60	49	51	16	25	37	32	17	27	58	56	20	46	80	94	33	47	35
MASSACHUSETTS	49	89	99	87	71	103	71	106	96	67	102	59	99	77	82	82	96	95
MIT	56	69	56	90	71	87	57	61	63	66	95	71	77	65	102	43	59	65
MIAMI	92	78	74	56	17	64	73	39	64	50	54	53	63	33	25	55	68	67
MICHIGAN	5	18	5	17	71	3	9	10	7	U/A	5	4	5	53	33	9	5	7
MICHIGAN STATE	37	39	35	15	20	49	41	43	41	31	50	55	50	58	67	55	71	43
MINNESOTA	17	21	16	40	1	7	10	13	9	U/A	13	5	3	1	30	15	19	11
MISSOURI	46	91	83	8	5	78	95	54	80	57	66	52	76	27	32	76	63	73
NEBRASKA	64	84	60	49	22	74	87	73	85	77	91	37	57	85	42	79	74	86
NEW MEXICO	89	62	77	7	54	58	44	59	51	35	84	U/A	69	76	37	50	40	36
NEW YORK	29	45	33	57	45	17	17	23	17	19	22	9	20	86	31	13	28	20
NORTH CAROLINA	20	25	17	41	4	30	27	49	30	27	48	U/A	19	24	89	18	24	23
NORTH CAROLINA STATE	105	101	87	42	21	90	85	71	88	82	86	74	98	35	96	84	71	82
NORTHWESTERN	23	37	21	74	U/A	39	31	48	37	U/A	43	U/A	41	61	6	22	55	34

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NOTRE DAME	63	29	64	96	61	68	97	52	81	U/A	42	U/A	95	43	55	100	64	92
OHIO STATE	18	30	27	38	60	24	25	25	23	26	59	14	11	34	3	17	23	18
OKLAHOMA	54	97	82	51	11	93	101	80	100	76	94	42	85	57	5	87	100	94
OKLAHOMA STATE	100	54	75	67	U/A	104	105	41	102	83	106	68	89	62	76	91	103	95
OREGON	74	88	70	86	38	71	91	68	83	34	72	49	73	71	77	84	97	83
PENNSYLVANIA	22	32	28	66	71	28	26	14	22	10	39	U/A	28	66	7	20	37	26
PENNSYLVANIA STATE	26	24	25	46	71	14	19	45	20	U/A	16	U/A	9	23	21	25	8	16
PITTSBURGH	33	33	48	62	U/A	34	47	32	40	U/A	45	U/A	29	50	35	34	39	33
PRINCETON	16	16	26	61	U/A	16	21	20	18	8	7	U/A	31	91	61	23	17	24
PURDUE	70	80	76	85	36	65	70	63	66	73	88	43	37	74	69	67	47	54
QUEEN'S	85	99	90	50	55	69	56	102	68	39	61	46	72	104	66	93	57	90
RICE	102	103	105	79	71	96	107	76	106	64	78	69	101	105	106	106	103	106
ROCHESTER	38	75	102	34	40	72	86	90	86	70	92	61	45	42	63	60	88	75
RUTGERS	24	31	34	22	3	13	7	40	12	17	32	11	7	45	13	20	12	13
SASKATCHEWAN	104	56	100	75	50	79	80	103	89	60	68	73	70	102	46	104	60	100
SOUTH CAROLINA	48	87	63	32	29	91	94	67	91	41	80	24	79	79	48	71	88	88
SOUTHERN CALIFORNIA	40	55	22	35	57	29	33	29	31	37	34	40	18	101	99	28	41	32
SOUTHERN ILLINOIS	58	81	79	44	43	92	84	89	92	75	104	38	56	7	60	91	95	70
STANFORD	10	14	13	27	U/A	4	5	2	4	U/A	2	U/A	13	67	78	7	9	10
SUNY-ALBANY	107	100	85	63	42	84	89	85	93	54	71	U/A	100	30	72	93	98	101
SUNY-BUFFALO	41	52	46	24	33	60	45	37	48	51	67	28	80	26	39	34	82	49
SUNY-STONY BROOK	91	77	59	53	52	62	65	105	75	49	82	65	61	46	85	87	71	80
SYRACUSE	52	106	88	31	44	76	74	62	73	68	81	39	66	99	84	61	54	61
TEMPLE	61	86	92	92	59	80	79	56	72	65	64	57	92	92	87	62	87	81
TENNESSEE	77	94	50	60	63	70	78	100	79	48	83	30	51	72	36	65	51	59

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
TEXAS	6	2	11	14	71	21	14	26	16	12	17	8	17	39	14	10	4	8
TEXAS A&M	72	48	40	23	U/A	45	68	30	58	U/A	74	50	32	13	8	55	41	45
TORONTO	9	4	18	100	6	8	4	15	6	U/A	4	7	10	60	86	5	2	3
TULANE	84	79	84	80	19	66	100	79	94	45	46	U/A	88	84	58	80	91	97
UTAH	80	65	106	68	27	102	98	55	97	U/A	35	72	107	83	81	87	81	83
VANDERBILT	69	36	68	83	53	57	58	28	56	U/A	53	31	58	78	57	39	43	46
VIRGINIA	25	34	41	13	9	22	35	44	32	13	28	16	23	31	40	37	36	37
VPI & SU	90	71	89	5	48	59	92	74	78	79	90	56	44	64	73	84	86	75
WASHINGTON	15	12	9	2	U/A	11	15	7	13	29	20	U/A	2	5	91	14	16	14
WASHINGTON STATE	97	104	49	59	U/A	95	82	69	90	72	93	U/A	78	32	95	98	80	87
WASHINGTON U.-ST. LOUIS	42	51	69	71	69	41	67	21	46	55	70	26	35	52	18	43	60	56
WATERLOO	98	98	93	105	71	82	66	96	77	32	47	48	97	103	98	97	57	91
WAYNE STATE	43	3	42	48	41	47	59	31	54	52	29	41	68	19	92	48	94	68
WESTERN ONTARIO	68	53	86	65	71	44	39	99	49	U/A	49	U/A	40	90	100	96	25	50
WISCONSIN	13	26	14	36	31	12	12	6	10	5	14	U/A	12	4	26	8	21	12
YALE	2	9	10	30	15	2	6	4	5	1	11	U/A	16	75	54	2	3	4
YORK	78	64	65	U/A	U/A	83	40	50	55	U/A	63	23	90	97	103	77	44	60

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CASE WESTERN RESERVE	93	105	94	82	67	97	99	86	101	80	101	60	83	15	52	73	100	103
CHICAGO	12	15	15	88	U/A	27	30	24	26	7	21	U/A	24	12	38	47	18	25
CINCINNATI	88	67	62	70	51	40	53	47	44	30	58	U/A	38	54	16	50	56	44
COLORADO	53	57	38	19	7	38	60	92	59	23	55	45	47	38	43	77	82	77
COLORADO STATE	106	11	107	106	46	99	104	93	104	43	85	75	104	44	10	103	102	105
COLUMBIA	8	20	6	18	58	9	8	9	8	U/A	8	1	6	29	53	6	6	6
CONNECTICUT	55	38	53	52	U/A	48	37	33	38	56	77	U/A	42	22	44	54	91	74
CORNELL	11	13	7	3	U/A	10	11	11	11	U/A	10	U/A	14	51	27	3	10	9
DARTMOUTH	79	74	58	76	64	89	88	53	82	40	75	35	87	69	59	87	85	97
DELAWARE	67	61	45	77	66	52	83	91	76	28	33	17	81	81	97	80	78	85
DUKE	19	8	23	94	10	32	36	27	34	18	31	22	22	37	65	30	34	39
EMORY	62	59	54	69	71	35	61	18	39	U/A	24	U/A	67	56	68	66	45	58
FLORIDA	32	27	37	12	37	26	28	64	33	15	40	12	52	16	50	19	22	19
FLORIDA STATE	73	22	71	28	13	53	96	98	84	U/A	52	U/A	53	28	64	72	66	66
GEORGETOWN	82	63	43	78	47	51	48	35	43	24	36	18	82	94	93	50	46	47
GEORGIA	31	42	8	10	U/A	36	51	81	47	42	57	U/A	26	21	80	42	30	30
GEORGIA TECH	94	82	55	47	71	107	106	101	107	U/A	107	U/A	102	88	104	98	106	107
GUELPH	71	60	101	99	U/A	106	90	107	105	63	89	U/A	106	107	101	107	74	104
HARVARD	1	1	2	1	U/A	1	1	1	1	U/A	1	U/A	1	11	29	1	1	1
HAWAII	44	46	20	6	U/A	81	55	97	65	U/A	79	15	71	100	105	64	88	69
HOUSTON	96	107	96	43	30	98	102	94	103	69	103	54	93	70	45	101	93	93
HOWARD	86	83	39	39	71	56	63	78	62	71	87	13	25	106	107	45	65	72
ILLINOIS, CHICAGO	95	92	81	84	32	55	50	57	57	44	37	U/A	65	3	2	49	38	48
ILLINOIS, URBANA	3	7	3	29	U/A	19	16	16	15	3	18	U/A	15	2	1	10	15	15
INDIANA	14	10	19	58	71	18	20	12	14	U/A	15	3	33	14	4	15	28	17

U/A - Unavailable ( ) Number of institutions reporting data

RANK ORDER TABLES OF UNIVERSITY LIBRARIES

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- over 9,000
2- 8,000-8,999
3- 7,000-7,999
4- 6,000-6,999
5- 5,000-5,999
6- 4,000-4,999
7- 3,000-3,999
8- 2,000-2,999
9- 1,000-1,999

Gp	Rank	Institution	Value
1	1	HARVARD	12,169,049
	2	YALE	9,013,561
3	3	ILLINOIS, URBANA	7,918,951
	4	CALIFORNIA, BERKELEY	7,697,027
4	5	MICHIGAN	6,579,152
	6	TEXAS	6,505,219
	7	CALIFORNIA, LOS ANGELES	6,179,973
	8	COLUMBIA	6,142,293
	9	TORONTO	6,091,828
5	10	STANFORD	5,987,592
	11	CORNELL	5,344,481
	12	CHICAGO	5,328,849
	13	WISCONSIN	5,133,457
	14	INDIANA	5,099,250
	15	WASHINGTON	5,065,669
6	16	PRINCETON	4,839,356
	17	MINNESOTA	4,761,630
	18	OHIO STATE	4,517,095
	19	DUKE	4,016,036
7	20	NORTH CAROLINA	3,856,378
	21	ARIZONA	3,817,361
	22	PENNSYLVANIA	3,756,762
	23	NORTHWESTERN	3,550,250
	24	RUTGERS	3,302,416
	25	VIRGINIA	3,266,649
	26	PENNSYLVANIA STATE	3,191,245
	27	ALBERTA	3,179,572
	28	IOWA	3,174,269
	29	NEW YORK	3,151,486
	30	BRITISH COLUMBIA	3,019,879
8	31	GEORGIA	2,968,339
	32	FLORIDA	2,966,891
	33	PITTSBURGH	2,962,991
	34	KANSAS	2,960,765
	35	JOHNS HOPKINS	2,902,881
	36	LOUISIANA STATE	2,874,571
	37	MICHIGAN STATE	2,811,363
	38	ROCHESTER	2,734,373
	39	ARIZONA STATE	2,712,934
	40	SOUTHERN CALIFORNIA	2,685,444
	41	SUNY-BUFFALO	2,654,744
	42	WASHINGTON U.-ST. LOUIS	2,642,917
	43	WAYNE STATE	2,578,970
	44	HAWAII	2,573,224
	45	MCGILL	2,570,377
	46	MISSOURI	2,528,304
	47	BROWN	2,503,827
	48	SOUTH CAROLINA	2,476,527
	49	MASSACHUSETTS	2,445,150
	50	CALIFORNIA, DAVIS	2,441,855
	51	KENT STATE	2,428,223
	52	SYRACUSE	2,352,547
	53	COLORADO	2,349,410
	54	OKLAHOMA	2,335,957
	55	CONNECTICUT	2,323,672
	56	MIT	2,223,822
	57	KENTUCKY	2,212,083
	58	SOUTHERN ILLINOIS	2,144,277
	59	BRIGHAM YOUNG	2,132,747
	60	MARYLAND	2,119,523
	61	TEMPLE	2,107,910
	62	EMORY	2,101,967
	63	NOTRE DAME	2,094,598
	64	NEBRASKA	2,059,989
	65	CALIFORNIA, SAN DIEGO	2,055,113
	66	CALIFORNIA, SANTA BARBARA	2,043,462
	67	DELAWARE	2,014,431
	68	WESTERN ONTARIO	2,011,123
9	69	VANDERBILT	1,981,132
	70	PURDUE	1,968,656
	71	GUELPH	1,964,118
	72	TEXAS A&M	1,962,346
	73	FLORIDA STATE	1,936,507
	74	OREGON	1,931,789
	75	CALIFORNIA, RIVERSIDE	1,916,286
	76	IOWA STATE	1,914,946
	77	TENNESSEE	1,914,674
	78	YORK	1,901,562
	79	DARTMOUTH	1,873,324
	80	UTAH	1,870,457
	81	ALABAMA	1,863,474
	82	GEORGETOWN	1,855,343
	83	LAVAL	1,855,291
	84	TULANE	1,851,203
	85	QUEEN'S	1,838,616
	86	HOWARD	1,832,793
	87	BOSTON	1,809,437
	88	CINCINNATI	1,791,905
	89	NEW MEXICO	1,760,646
	90	VPI & SU	1,754,830
	91	SUNY-STONY BROOK	1,752,232
	92	MIAMI	1,739,855
	93	CASE WESTERN RESERVE	1,732,430
	94	GEORGIA TECH	1,697,021
	95	ILLINOIS, CHICAGO	1,695,329
	96	HOUSTON	1,648,921
	97	WASHINGTON STATE	1,644,342
	98	WATERLOO	1,625,111
	99	MCMASTER	1,596,911
	100	OKLAHOMA STATE	1,595,257
	101	MANITOBA	1,552,507
	102	RICE	1,501,162
	103	CALIFORNIA, IRVINE	1,500,867
	104	SASKATCHEWAN	1,459,334
	105	NORTH CAROLINA STATE	1,407,875
	106	COLORADO STATE	1,372,670
	107	SUNY-ALBANY	1,310,993

U/A - Unavailable

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999
6- 100,000-129,999
7- 70,000- 99,999
8- 40,000- 69,999
9- under 39,999

Gp	Rank	Institution	Value
1	1	HARVARD	402,984
3	2	TEXAS	215,341
	3	WAYNE STATE	205,836
4	4	TORONTO	188,691
	5	CALIFORNIA, BERKELEY	188,270
	6	CALIFORNIA, LOS ANGELES	179,309
	7	ILLINOIS, URBANA	170,493
	8	DUKE	167,705
	9	YALE	166,244
5	10	INDIANA	156,020
	11	COLORADO STATE	153,978
	12	WASHINGTON	153,014
	13	CORNELL	145,157
	14	STANFORD	142,689
	15	CHICAGO	140,573
	16	PRINCETON	135,239
6	17	ARIZONA	128,928
	18	MICHIGAN	128,783
	19	CALIFORNIA, SAN DIEGO	123,304
	20	COLUMBIA	122,219
	21	MINNESOTA	117,678
	22	FLORIDA STATE	116,660
	23	ARIZONA STATE	114,349
	24	PENNSYLVANIA STATE	112,240
	25	NORTH CAROLINA	112,134
	26	WISCONSIN	111,900
	27	FLORIDA	110,496
	28	BRITISH COLUMBIA	108,398
	29	NOTRE DAME	107,735
7	30	OHIO STATE	99,734
	31	RUTGERS	97,601
	32	PENNSYLVANIA	95,568
	33	PITTSBURGH	94,481
	34	VIRGINIA	93,717
	35	ALBERTA	88,920
	36	VANDERBILT	88,821
	37	NORTHWESTERN	85,912
	38	CONNECTICUT	83,526
	39	MICHIGAN STATE	81,083
	40	CALIFORNIA, DAVIS	80,495
	41	KANSAS	79,583
	42	GEORGIA	79,535
	43	IOWA	77,204
	44	JOHNS HOPKINS	75,729
	45	NEW YORK	74,899
	46	HAWAII	73,902
	47	BRIGHAM YOUNG	72,848
	48	TEXAS A&M	71,944
	49	MARYLAND	71,330
	50	MCGILL	70,614
	51	WASHINGTON U.-ST. LOUIS	70,316
8	52	SUNY-BUFFALO	69,519
	53	WESTERN ONTARIO	68,608
	54	OKLAHOMA STATE	67,480
	55	SOUTHERN CALIFORNIA	67,119
	56	SASKATCHEWAN	65,368
	57	COLORADO	64,816
	58	LAVAL	64,424
	59	EMORY	64,039
	60	GUELPH	63,702
	61	DELAWARE	63,597
	62	NEW MEXICO	61,238
	63	GEORGETOWN	60,718
	64	YORK	59,262
	65	UTAH	58,970
	66	LOUISIANA STATE	57,360
	67	CINCINNATI	56,874
	68	KENTUCKY	56,597
	69	MIT	55,015
	70	BOSTON	54,835
	71	VPI & SU	54,735
	72	CALIFORNIA, SANTA BARBARA	54,576
	73	ALABAMA	53,318
	74	DARTMOUTH	52,880
	75	ROCHESTER	52,816
	76	CALIFORNIA, IRVINE	52,251
	77	SUNY-STONY BROOK	52,243
	78	MIAMI	51,526
	79	TULANE	50,735
	80	PURDUE	50,619
	81	SOUTHERN ILLINOIS	50,092
	82	GEORGIA TECH	49,940
	83	HOWARD	49,934
	84	NEBRASKA	49,193
	85	CALIFORNIA, RIVERSIDE	48,897
	86	TEMPLE	48,862
	87	SOUTH CAROLINA	48,443
	88	OREGON	48,250
	89	MASSACHUSETTS	47,969
	90	KENT STATE	47,639
	91	MISSOURI	47,159
	92	ILLINOIS, CHICAGO	46,695
	93	MCMASTER	46,214
	94	TENNESSEE	46,101
	95	BROWN	45,798
	96	IOWA STATE	44,848
	97	OKLAHOMA	44,814
	98	WATERLOO	44,707
	99	QUEEN'S	44,270
	100	SUNY-ALBANY	43,164
	101	NORTH CAROLINA STATE	42,710
	102	MANITOBA	41,785
9	103	RICE	39,884
	104	WASHINGTON STATE	39,714
	105	CASE WESTERN RESERVE	36,320
	106	SYRACUSE	32,829
	107	HOUSTON	27,927

U/A - Unavailable

RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 55,000 and over
2- 50,000-54,999
3- 45,000-49,999
4- 40,000-44,999
5- 35,000-39,999
6- 30,000-34,999
7- 25,000-29,999
8- 20,000-24,999
9- 15,000-19,999
10- under 15,000

Gp	Rank	Institution	Value
1	1	CALIFORNIA, LOS ANGELES +	96,723
	2	HARVARD +	96,704
	3	ILLINOIS, URBANA +	91,017
	4	CALIFORNIA, BERKELEY +	87,530
	5	MICHIGAN +	70,157
	6	COLUMBIA +	60,764
	7	CORNELL +	59,928
2	8	GEORGIA +	54,851
	9	WASHINGTON +	53,408
	10	YALE	52,210
	11	TEXAS +	52,182
	12	CALIFORNIA, DAVIS +	52,042
	13	STANFORD +	50,157
3	14	WISCONSIN +	49,626
	15	CHICAGO +	46,976
4	16	MINNESOTA	42,304
5	17	NORTH CAROLINA +	39,223
	18	TORONTO +	39,016
	19	INDIANA +	38,782
	20	HAWAII +	38,363
	21	NORTHWESTERN +	37,054
	22	SOUTHERN CALIFORNIA +	36,844
	23	DUKE +	35,554
6	24	ARIZONA STATE +	33,899
	25	PENNSYLVANIA STATE +	33,460
	26	PRINCETON +	32,950
	27	OHIO STATE +	32,151
	28	PENNSYLVANIA +	32,118
	29	ARIZONA +	31,919
	30	CALIFORNIA, SANTA BARBARA +	30,181
7	31	BOSTON +	29,437
	32	KANSAS	28,902
	33	NEW YORK +	28,817
	34	RUTGERS +	28,161
	35	MICHIGAN STATE +	28,142
	36	KENTUCKY +	27,902
	37	FLORIDA +	27,831
	38	COLORADO +	26,563
	39	HOWARD	26,149
	40	TEXAS A&M +	25,428
	41	VIRGINIA	25,365
8	42	WAYNE STATE +	24,658
	43	GEORGETOWN	23,842
	44	CALIFORNIA, SAN DIEGO +	23,784
	45	DELAWARE	23,471
	46	SUNY-BUFFALO +	23,292
	47	ALBERTA +	23,096
	48	PITTSBURGH +	23,045
	49	WASHINGTON STATE +	23,017
	50	TENNESSEE +	22,972
	51	MARYLAND +	22,825
	52	BRITISH COLUMBIA	22,729
	53	CONNECTICUT	22,337
	54	EMORY +	22,287
	55	GEORGIA TECH +	22,227
	56	MIT +	21,577
	57	IOWA STATE +	21,467
	58	DARTMOUTH +	21,083
	59	SUNY-STONY BROOK +	20,841
	60	NEBRASKA +	20,776
	61	JOHNS HOPKINS +	20,677
	62	CINCINNATI +	20,554
	63	SOUTH CAROLINA +	20,552
	64	NOTRE DAME	20,231
9	65	YORK +	19,917
	66	LOUISIANA STATE	19,815
	67	CALIFORNIA, IRVINE +	19,522
	68	VANDERBILT	19,092
	69	WASHINGTON U.-ST. LOUIS +	18,931
	70	OREGON +	18,776
	71	FLORIDA STATE	18,751
	72	IOWA +	18,514
	73	BRIGHAM YOUNG +	18,358
	74	MIAMI +	18,349
	75	OKLAHOMA STATE +	18,276
	76	PURDUE	18,238
	77	NEW MEXICO +	18,230
	78	ALABAMA	17,945
	79	SOUTHERN ILLINOIS	17,831
	80	MCGILL	17,812
	81	ILLINOIS, CHICAGO +	17,593
	82	OKLAHOMA +	17,440
	83	MISSOURI	17,395
	84	TULANE	17,236
	85	SUNY-ALBANY +	17,218
	86	WESTERN ONTARIO +	17,033
	87	NORTH CAROLINA STATE +	16,860
	88	SYRACUSE	16,733
	89	VPI & SU +	16,265
	90	QUEEN'S	15,866
	91	LAVAL +	15,841
	92	TEMPLE	15,414
	93	WATERLOO +	15,364
	94	CASE WESTERN RESERVE +	15,311
	95	MCMASTER +	15,291
10	96	HOUSTON +	14,862
	97	BROWN +	14,792
	98	KENT STATE +	14,038
	99	MASSACHUSETTS +	13,807
	100	SASKATCHEWAN +	13,700
	101	GUELPH +	13,473
	102	ROCHESTER +	13,199
	103	CALIFORNIA, RIVERSIDE +	12,483
	104	MANITOBA	12,465
	105	RICE +	12,340
	106	UTAH	12,144
	107	COLORADO STATE +	11,730

U/A - Unavailable + - Includes government document serials

RANK ORDER TABLE 4: MICROFORM HOLDINGS (TOTAL)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- under 1,000

Gp	Rank	Institution	Value
1	1	HARVARD	6,002,152
	2	WASHINGTON	5,490,794
	3	CORNELL	5,485,734
	4	CALIFORNIA, LOS ANGELES	5,421,376
	5	VPI & SU	5,201,012
	6	HAWAII	5,140,619
	7	NEW MEXICO	4,969,003
	8	MISSOURI	4,851,352
	9	KENTUCKY	4,802,822
	10	GEORGIA	4,682,067
	11	CALIFORNIA, BERKELEY	4,666,786
	12	FLORIDA	4,610,433
	13	VIRGINIA	4,601,290
	14	TEXAS	4,583,288
	15	MICHIGAN STATE	4,485,965
	16	MARYLAND	4,385,087
	17	MICHIGAN	4,307,844
	18	COLUMBIA	4,248,834
	19	COLORADO	4,225,610
	20	ARIZONA STATE	4,142,685
	21	ARIZONA	4,136,746
	22	RUTGERS	4,080,922
	23	TEXAS A&M	4,018,612
2	24	SUNY-BUFFALO	3,951,670
	25	BRITISH COLUMBIA	3,922,694
	26	LOUISIANA STATE	3,831,372
	27	STANFORD	3,798,200
	28	FLORIDA STATE	3,774,891
	29	ILLINOIS, URBANA	3,688,611
	30	YALE	3,688,458
	31	SYRACUSE	3,665,711
	32	SOUTH CAROLINA	3,652,567
	33	CALIFORNIA, SANTA BARBARA	3,606,146
	34	ROCHESTER	3,568,858
	35	SOUTHERN CALIFORNIA	3,544,589
	36	WISCONSIN	3,536,767
3	37	IOWA	3,458,909
	38	OHIO STATE	3,378,218
	39	HOWARD	3,335,282
	40	MINNESOTA	3,308,038
	41	NORTH CAROLINA	3,292,255
	42	NORTH CAROLINA STATE	3,290,749
	43	HOUSTON	3,278,011
	44	SOUTHERN ILLINOIS	3,242,664
	45	ALBERTA	3,203,608
	46	PENNSYLVANIA STATE	3,201,919
	47	GEORGIA TECH	3,187,633
	48	WAYNE STATE	3,157,959
	49	NEBRASKA	3,148,595
	50	QUEEN'S	3,049,375
	51	OKLAHOMA	3,031,457
	52	CONNECTICUT	3,020,846
	53	SUNY-STONY BROOK	3,012,615
4	54	BOSTON	2,991,402
	55	CALIFORNIA, DAVIS	2,957,365
	56	MIAMI	2,874,699
	57	NEW YORK	2,867,794
	58	INDIANA	2,809,120
	59	WASHINGTON STATE	2,726,744
	60	TENNESSEE	2,701,382
	61	PRINCETON	2,653,806
	62	PITTSBURGH	2,647,170
	63	SUNY-ALBANY	2,568,550
	64	ALABAMA	2,568,140
	65	WESTERN ONTARIO	2,564,922
	66	PENNSYLVANIA	2,550,765
	67	OKLAHOMA STATE	2,524,652
	68	UTAH	2,511,016
5	69	EMORY	2,421,282
	70	CINCINNATI	2,383,742
	71	WASHINGTON U.-ST. LOUIS	2,364,467
	72	KANSAS	2,342,854
	73	IOWA STATE	2,337,484
	74	NORTHWESTERN	2,316,436
	75	SASKATCHEWAN	2,292,230
	76	DARTMOUTH	2,269,518
	77	DELAWARE	2,178,982
	78	GEORGETOWN	2,149,557
	79	RICE	2,106,732
	80	TULANE	2,088,239
	81	CALIFORNIA, SAN DIEGO	2,074,212
6	82	CASE WESTERN RESERVE	1,970,710
	83	VANDERBILT	1,950,654
	84	ILLINOIS, CHICAGO	1,941,997
	85	PURDUE	1,883,565
	86	OREGON	1,850,228
	87	MASSACHUSETTS	1,839,181
	88	CHICAGO	1,834,585
	89	CALIFORNIA, IRVINE	1,825,445
	90	MIT	1,785,133
	91	BRIGHAM YOUNG	1,756,261
	92	TEMPLE	1,599,676
	93	JOHNS HOPKINS	1,594,430
	94	DUKE	1,591,803
	95	KENT STATE	1,508,172
7	96	NOTRE DAME	1,471,397
	97	CALIFORNIA, RIVERSIDE	1,365,797
	98	MCMASTER	1,251,402
	99	GUELPH	1,226,528
	100	TORONTO	1,218,722
	101	BROWN	1,193,175
	102	MCGILL	1,161,647
	103	MANITOBA	1,093,235
8	104	LAVAL	983,481
	105	WATERLOO	928,447
	106	COLORADO STATE	237,405
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 5: GOVERNMENT DOCUMENTS

This table reflects separately-housed government documents NOT ALREADY COUNTED as Volumes in Library (Table 1). Some institutions' holdings are split between Tables 1 and 5. A "0" in this table may indicate that all documents holdings have been included with Volumes. See footnotes, and statistics instructions in appendix, for further clarification.

Group Ranges (in thousands) are:

1- 2,100 and over
2- 1,800-2,099
3- 1,500-1,799
4- 1,200-1,499
5- 900-1,199
6- 600-899
7- 300-599
8- below 300
9- none (see left)

Gp	Rank	Institution	Value
1	1	MINNESOTA	3,664,824
	2	CALIFORNIA, SAN DIEGO	3,215,580
	3	RUTGERS	2,432,136
3	4	NORTH CAROLINA	1,796,452
	5	MISSOURI	1,648,099
	6	TORONTO	1,636,885
4	7	COLORADO	1,465,718
	8	MCGILL	1,460,980
	9	VIRGINIA	1,212,673
5	10	DUKE	1,191,493
	11	OKLAHOMA	1,166,115
	12	KENTUCKY	1,138,194
	13	FLORIDA STATE	1,089,784
	14	ALABAMA	1,037,763
	15	YALE	933,016
	16	KANSAS	929,879
	17	MIAMI	927,970
	18	IOWA	904,724
6	19	TULANE	852,702
	20	MICHIGAN STATE	851,985
	21	NORTH CAROLINA STATE	811,271
	22	NEBRASKA	796,848
	23	BRITISH COLUMBIA	760,610
	24	CALIFORNIA, DAVIS	752,968
	25	MARYLAND	723,620
	26	CALIFORNIA, SANTA BARBARA	662,489
	27	UTAH	648,387
	28	ARIZONA STATE	631,872
	29	SOUTH CAROLINA	628,355
	30	HOUSTON	615,172
7	31	WISCONSIN	594,613
	32	ILLINOIS, CHICAGO	552,941
	33	SUNY-BUFFALO	530,055
	34	MANITOBA	472,837
	35	CALIFORNIA, IRVINE	461,444
	36	PURDUE	460,263
	37	FLORIDA	457,373
	38	OREGON	451,454
	39	ALBERTA	439,140
	40	ROCHESTER	428,134
	41	WAYNE STATE	402,928
	42	SUNY-ALBANY	378,083
	43	SOUTHERN ILLINOIS	374,440
	44	SYRACUSE	361,452
	45	NEW YORK	360,456
	46	COLORADO STATE	358,893
	47	GEORGETOWN	350,786
	48	VPI & SU	343,460
	49	BRIGHAM YOUNG	326,036
	50	SASKATCHEWAN	315,609
	51	CINCINNATI	314,623
	52	SUNY-STONY BROOK	300,000
8	53	VANDERBILT	284,909
	54	NEW MEXICO	274,421
	55	QUEEN'S	245,423
	56	LOUISIANA STATE	211,015
	57	SOUTHERN CALIFORNIA	202,197
	58	COLUMBIA	157,852
	59	TEMPLE	148,535
	60	OHIO STATE	141,918
	61	NOTRE DAME	139,928
	62	CALIFORNIA, BERKELEY	107,931
	63	TENNESSEE	104,947
	64	DARTMOUTH	79,000
	65	CALIFORNIA, LOS ANGELES	69,907
	66	DELAWARE	68,854
	67	CASE WESTERN RESERVE	28,948
	68	CALIFORNIA, RIVERSIDE	4,432
	69	WASHINGTON U.-ST. LOUIS	4,000
	70	KENT STATE	198
9	71	ARIZONA	0
	71	BOSTON	0
	71	BROWN	0
	71	EMORY	0
	71	GEORGIA TECH	0
	71	HOWARD	0
	71	INDIANA	0
	71	IOWA STATE	0
	71	JOHNS HOPKINS	0
	71	LAVAL	0
	71	MCMASTER	0
	71	MASSACHUSETTS	0
	71	MIT	0
	71	MICHIGAN	0
	71	PENNSYLVANIA	0
	71	PENNSYLVANIA STATE	0
	71	RICE	0
	71	TEXAS	0
	71	WATERLOO	0
	71	WESTERN ONTARIO	0
		CHICAGO	U/A
		CONNECTICUT	U/A
		CORNELL	U/A
		GEORGIA	U/A
		GUELPH	U/A
		HARVARD	U/A
		HAWAII	U/A
		ILLINOIS, URBANA	U/A
		NORTHWESTERN	U/A
		OKLAHOMA STATE	U/A
		PITTSBURGH	U/A
		PRINCETON	U/A
		STANFORD	U/A
		TEXAS A&M	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 6: MATERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 6,500 and over
2- 6,000-6,499
3- 5,500-5,999
4- 5,000-5,499
5- 4,500-4,999
6- 4,000-4,499
7- 3,500-3,999
8- 3,000-3,499
9- 2,500-2,999
10- under 2,500

Gp	Rank	Institution	Value
1	1	HARVARD	11,865,941
	2	YALE	9,704,800
	3	MICHIGAN	8,773,596
	4	STANFORD	8,454,160
	5	CALIFORNIA, LOS ANGELES	8,355,854
	6	CALIFORNIA, BERKELEY	8,219,006
	7	MINNESOTA	7,952,820
	8	TORONTO	7,809,775
	9	COLUMBIA	7,531,880
	10	CORNELL	7,175,388
	11	WASHINGTON	7,090,489
	12	WISCONSIN	7,069,078
	13	RUTGERS	6,706,090
2	14	PENNSYLVANIA STATE	6,419,710
	15	ARIZONA STATE	6,408,284
	16	PRINCETON	6,379,297
	17	NEW YORK	6,319,788
	18	INDIANA	6,268,715
	19	ILLINOIS, URBANA	6,142,131
	20	ARIZONA	6,073,376
	21	TEXAS	6,052,477
3	22	VIRGINIA	5,784,342
	23	CALIFORNIA, DAVIS	5,721,446
	24	OHIO STATE	5,617,786
4	25	BRITISH COLUMBIA	5,346,273
	26	FLORIDA	5,318,920
	27	CHICAGO	5,295,072
	28	PENNSYLVANIA	5,285,553
	29	SOUTHERN CALIFORNIA	5,276,593
	30	NORTH CAROLINA	5,273,832
	31	IOWA	5,265,740
	32	DUKE	5,211,822
	33	JOHNS HOPKINS	5,153,657
	34	PITTSBURGH	5,057,994
	35	EMORY	5,037,406
5	36	GEORGIA	4,881,987
	37	MARYLAND	4,879,524
	38	COLORADO	4,717,514
	39	NORTHWESTERN	4,684,583
	40	CINCINNATI	4,631,643
	41	WASHINGTON U.-ST. LOUIS	4,620,220
	42	KANSAS	4,540,829
	43	CALIFORNIA, SAN DIEGO	4,521,659
6	44	WESTERN ONTARIO	4,396,215
	45	TEXAS A&M	4,306,013
	46	ALBERTA	4,290,665
	47	WAYNE STATE	4,288,305
	48	CONNECTICUT	4,282,446
	49	MICHIGAN STATE	4,254,259
	50	MCGILL	4,199,021
	51	GEORGETOWN	4,151,378
	52	DELAWARE	4,122,166
	53	FLORIDA STATE	4,102,372
7	54	MCMASTER	4,064,344
	55	ILLINOIS, CHICAGO	4,052,285
	56	HOWARD	4,004,317
	57	VANDERBILT	3,938,840
	58	NEW MEXICO	3,927,931
	59	VPI & SU	3,887,002
	60	SUNY-BUFFALO	3,868,613
	61	BRIGHAM YOUNG	3,826,648
	62	SUNY-STONY BROOK	3,810,302
	63	CALIFORNIA, IRVINE	3,788,280
	64	MIAMI	3,788,226
	65	PURDUE	3,783,087
	66	TULANE	3,732,112
	67	CALIFORNIA, SANTA BARBARA	3,707,084
	68	NOTRE DAME	3,669,338
	69	QUEEN'S	3,662,136
	70	TENNESSEE	3,635,202
	71	OREGON	3,631,332
	72	ROCHESTER	3,626,288
	73	KENTUCKY	3,589,769
	74	NEBRASKA	3,544,196
	75	IOWA STATE	3,537,321
	76	SYRACUSE	3,537,209
	77	BROWN	3,508,128
	78	MISSOURI	3,507,938
8	79	SASKATCHEWAN	3,492,783
	80	TEMPLE	3,482,723
	81	HAWAII	3,467,564
	82	WATERLOO	3,416,821
	83	YORK	3,369,571
	84	SUNY-ALBANY	3,324,677
	85	ALABAMA	3,315,919
	86	BOSTON	3,312,540
	87	MIT	3,310,354
	88	LOUISIANA STATE	3,303,072
	89	DARTMOUTH	3,285,935
	90	NORTH CAROLINA STATE	3,199,698
	91	SOUTH CAROLINA	3,188,425
	92	SOUTHERN ILLINOIS	3,107,324
	93	OKLAHOMA	3,100,546
	94	LAVAL	3,050,228
	95	WASHINGTON STATE	3,009,477
9	96	RICE	2,801,926
	97	CASE WESTERN RESERVE	2,785,073
	98	HOUSTON	2,720,143
	99	COLORADO STATE	2,640,751
	100	CALIFORNIA, RIVERSIDE	2,626,639
	101	MANITOBA	2,599,320
	102	UTAH	2,589,808
	103	MASSACHUSETTS	2,511,215
10	104	OKLAHOMA STATE	2,472,184
	105	KENT STATE	2,422,414
	106	GUELPH	2,204,044
	107	GEORGIA TECH	2,127,828

U/A - Unavailable

RANK ORDER TABLE 7: SALARIES & WAGES EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 12,000 and over
2- 11,000-11,999
3- 10,000-10,999
4- 9,000-9,999
5- 8,000-8,999
6- 7,000-7,999
7- 6,000-6,999
8- 5,000-5,999
9- 4,000-4,999
10- under 4,000

Gp	Rank	Institution	Value
1	1	HARVARD	28,210,445
	2	CALIFORNIA, BERKELEY	19,922,559
	3	CALIFORNIA, LOS ANGELES	17,406,563
	4	TORONTO	17,304,916
	5	STANFORD	17,293,017
	6	YALE	14,928,500
	7	RUTGERS	13,808,618
	8	COLUMBIA	13,547,050
	9	MICHIGAN	13,017,421
	10	MINNESOTA	12,380,225
2	11	CORNELL	11,911,042
	12	WISCONSIN	11,410,923
	13	BRITISH COLUMBIA	11,265,479
	14	TEXAS	11,012,016
3	15	WASHINGTON	10,811,844
	16	ILLINOIS, URBANA	10,183,600
	17	NEW YORK	10,076,892
	18	ALBERTA	10,065,651
	19	PENNSYLVANIA STATE	10,006,012
4	20	INDIANA	9,802,663
	21	PRINCETON	9,369,067
	22	MCGILL	9,314,102
	23	CALIFORNIA, DAVIS	9,149,953
5	24	CALIFORNIA, SAN DIEGO	8,972,007
	25	OHIO STATE	8,894,820
	26	PENNSYLVANIA	8,646,253
	27	NORTH CAROLINA	8,357,973
	28	FLORIDA	8,180,290
	29	LAVAL	8,120,446
	30	CHICAGO	8,064,158
6	31	NORTHWESTERN	7,793,006
	32	MARYLAND	7,788,265
	33	SOUTHERN CALIFORNIA	7,742,424
	34	JOHNS HOPKINS	7,737,410
	35	VIRGINIA	7,493,278
	36	DUKE	7,339,319
	37	CONNECTICUT	7,257,092
	38	ARIZONA STATE	7,009,338
	39	WESTERN ONTARIO	7,008,476
7	40	YORK	6,894,303
	41	MICHIGAN STATE	6,822,426
	42	CALIFORNIA, SANTA BARBARA	6,801,643
	43	ARIZONA	6,788,209
	44	NEW MEXICO	6,683,124
	45	SUNY-BUFFALO	6,522,517
	46	CALIFORNIA, IRVINE	6,474,233
	47	PITTSBURGH	6,349,899
	48	GEORGETOWN	6,307,742
	49	KANSAS	6,215,361
	50	ILLINOIS, CHICAGO	6,188,464
	51	GEORGIA	6,170,949
	52	IOWA	6,134,149
	53	CINCINNATI	6,090,494
8	54	MANITOBA	5,985,181
	55	HAWAII	5,970,625
	56	QUEEN'S	5,801,002
	57	MIT	5,773,101
	58	VANDERBILT	5,704,175
	59	WAYNE STATE	5,672,659
	60	COLORADO	5,658,469
	61	EMORY	5,586,364
	62	BOSTON	5,556,074
	63	HOWARD	5,515,067
	64	MCMASTER	5,326,669
	65	SUNY-STONY BROOK	5,177,065
	66	WATERLOO	5,150,667
	67	WASHINGTON U.-ST. LOUIS	5,098,703
	68	TEXAS A&M	5,082,639
	69	KENTUCKY	5,039,747
	70	PURDUE	5,020,557
9	71	MASSACHUSETTS	4,997,600
	72	BRIGHAM YOUNG	4,879,346
	73	MIAMI	4,833,053
	74	SYRACUSE	4,822,796
	75	IOWA STATE	4,795,251
	76	BROWN	4,790,204
	77	KENT STATE	4,759,023
	78	TENNESSEE	4,724,844
	79	TEMPLE	4,713,987
	80	SASKATCHEWAN	4,475,851
	81	LOUISIANA STATE	4,363,219
	82	WASHINGTON STATE	4,343,501
	83	DELAWARE	4,342,016
	84	SOUTHERN ILLINOIS	4,334,825
	85	NORTH CAROLINA STATE	4,220,925
	86	ROCHESTER	4,205,107
	87	NEBRASKA	4,105,510
	88	DARTMOUTH	4,099,498
	89	SUNY-ALBANY	4,080,338
	90	GUELPH	4,076,070
	91	OREGON	4,041,584
	92	VPI & SU	4,033,040
	93	CALIFORNIA, RIVERSIDE	4,032,471
	94	SOUTH CAROLINA	4,026,450
10	95	MISSOURI	3,955,681
	96	FLORIDA STATE	3,914,318
	97	NOTRE DAME	3,766,853
	98	UTAH	3,688,902
	99	CASE WESTERN RESERVE	3,641,143
	100	TULANE	3,374,440
	101	OKLAHOMA	3,363,205
	102	HOUSTON	3,329,748
	103	ALABAMA	3,231,037
	104	COLORADO STATE	3,133,255
	105	OKLAHOMA STATE	2,863,814
	106	GEORGIA TECH	2,728,571
	107	RICE	2,501,381

U/A - Unavailable

RANK ORDER TABLE 8: OTHER OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- 500-999
9- under 500

Gp	Rank	Institution	Value
1	1	HARVARD	9,204,177
	2	STANFORD	5,521,358
	3	CALIFORNIA, LOS ANGELES	5,489,411
	4	YALE	5,102,100
	5	JOHNS HOPKINS	4,824,211
	6	WISCONSIN	4,305,420
	7	WASHINGTON	4,137,550
2	8	CALIFORNIA, BERKELEY	3,802,439
	9	COLUMBIA	3,721,895
	10	MICHIGAN	3,669,777
	11	CORNELL	3,575,140
	12	INDIANA	3,557,899
	13	MINNESOTA	3,506,658
3	14	PENNSYLVANIA	3,293,321
	15	TORONTO	3,033,469
4	16	ILLINOIS, URBANA	2,914,263
	17	MARYLAND	2,795,072
	18	EMORY	2,733,325
	19	BROWN	2,700,555
	20	PRINCETON	2,599,095
5	21	WASHINGTON U.-ST. LOUIS	2,454,339
	22	CALIFORNIA, SAN DIEGO	2,434,722
	23	NEW YORK	2,407,278
	24	CHICAGO	2,262,252
	25	OHIO STATE	2,219,273
	26	TEXAS	2,198,458
	27	DUKE	2,129,843
	28	VANDERBILT	2,083,841
	29	SOUTHERN CALIFORNIA	2,046,043
	30	TEXAS A&M	2,017,758
6	31	WAYNE STATE	1,863,323
	32	PITTSBURGH	1,862,948
	33	CONNECTICUT	1,857,452
	34	ARIZONA STATE	1,853,994
	35	GEORGETOWN	1,832,554
	36	BRITISH COLUMBIA	1,784,191
	37	SUNY-BUFFALO	1,759,714
	38	BOSTON	1,746,418
	39	MIAMI	1,716,481
	40	RUTGERS	1,676,944
	41	OKLAHOMA STATE	1,664,165
	42	CALIFORNIA, SANTA BARBARA	1,658,706
	43	MICHIGAN STATE	1,650,660
	44	VIRGINIA	1,649,739
	45	PENNSYLVANIA STATE	1,598,585
	46	CALIFORNIA, IRVINE	1,592,054
	47	CINCINNATI	1,580,209
	48	NORTHWESTERN	1,566,459
	49	NORTH CAROLINA	1,562,787
	50	YORK	1,500,663
7	51	ARIZONA	1,494,876
	52	NOTRE DAME	1,487,560
	53	DARTMOUTH	1,479,947
	54	MISSOURI	1,447,798
	55	UTAH	1,443,672
	56	TEMPLE	1,436,605
	57	ILLINOIS, CHICAGO	1,410,275
	58	IOWA STATE	1,384,767
	59	NEW MEXICO	1,370,511
	60	BRIGHAM YOUNG	1,307,620
	61	MIT	1,274,675
	62	SYRACUSE	1,270,672
	63	PURDUE	1,228,819
	64	FLORIDA	1,211,595
	65	KANSAS	1,177,016
	66	ALBERTA	1,171,698
	67	SOUTH CAROLINA	1,135,817
	68	OREGON	1,134,850
	69	WASHINGTON STATE	1,133,404
	70	MANITOBA	1,102,309
	71	NORTH CAROLINA STATE	1,096,669
	72	CALIFORNIA, DAVIS	1,079,926
	73	NEBRASKA	1,069,226
	74	VPI & SU	1,066,650
	75	IOWA	1,065,884
	76	RICE	1,050,016
	77	ALABAMA	1,048,052
	78	HOWARD	1,030,930
	79	TULANE	1,018,920
	80	OKLAHOMA	1,012,677
	81	GEORGIA	1,011,060
	82	MCGILL	1,006,415
8	83	LAVAL	986,253
	84	LOUISIANA STATE	976,684
	85	SUNY-ALBANY	972,195
	86	CASE WESTERN RESERVE	958,518
	87	KENT STATE	918,217
	88	KENTUCKY	895,503
	89	SOUTHERN ILLINOIS	878,550
	90	ROCHESTER	875,240
	91	DELAWARE	836,187
	92	COLORADO	832,569
	93	COLORADO STATE	818,121
	94	HOUSTON	763,768
	95	CALIFORNIA, RIVERSIDE	735,977
	96	WATERLOO	704,094
	97	HAWAII	686,594
	98	FLORIDA STATE	657,000
	99	WESTERN ONTARIO	636,823
	100	TENNESSEE	612,482
	101	GEORGIA TECH	593,973
	102	QUEEN'S	548,593
	103	SASKATCHEWAN	548,314
9	104	MCMASTER	464,455
	105	SUNY-STONY BROOK	457,778
	106	MASSACHUSETTS	400,740
	107	GUELPH	330,572

U/A - Unavailable

RANK ORDER TABLE 9: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 23,000 and over	8- 12,000-12,999
2- 20,000-22,999	9- 11,000-11,999
3- 17,000-19,999	10- 10,000-10,999
4- 16,000-16,999	11- 9,000-9,999
5- 15,000-15,999	12- 8,000-8,999
6- 14,000-14,999	13- 7,000-7,999
7- 13,000-13,999	14- under 7,000

Gp	Rank	Institution	Value
1	1	HARVARD	50,249,192
	2	CALIFORNIA, BERKELEY	32,723,415
	3	CALIFORNIA, LOS ANGELES	31,926,086
	4	STANFORD	31,697,862
	5	YALE	30,151,200
	6	TORONTO	28,430,815
	7	MICHIGAN	25,759,418
	8	COLUMBIA	25,396,688
	9	MINNESOTA	24,386,140
	10	WISCONSIN	23,020,227
2	11	CORNELL	22,872,682
	12	RUTGERS	22,592,499
	13	WASHINGTON	22,379,841
3	14	INDIANA	19,931,037
	15	ILLINOIS, URBANA	19,482,434
	16	TEXAS	19,447,403
	17	NEW YORK	19,129,172
	18	PRINCETON	18,748,412
	19	BRITISH COLUMBIA	18,607,619
	20	PENNSYLVANIA STATE	18,505,042
	21	JOHNS HOPKINS	17,866,060
	22	PENNSYLVANIA	17,640,959
	23	OHIO STATE	17,020,796
4	24	CALIFORNIA, DAVIS	16,307,264
	25	CALIFORNIA, SAN DIEGO	16,286,677
	26	CHICAGO	16,083,176
5	27	MARYLAND	15,667,442
	28	ALBERTA	15,655,603
	29	ARIZONA STATE	15,548,558
	30	NORTH CAROLINA	15,435,157
	31	SOUTHERN CALIFORNIA	15,231,319
	32	VIRGINIA	15,185,994
	33	FLORIDA	15,028,682
6	34	DUKE	14,919,597
	35	ARIZONA	14,708,494
	36	MCGILL	14,684,399
	37	NORTHWESTERN	14,262,619
7	38	CONNECTICUT	13,651,521
	39	EMORY	13,545,980
	40	PITTSBURGH	13,483,938
8	41	MICHIGAN STATE	12,931,442
	42	IOWA	12,653,125
	43	GEORGETOWN	12,489,462
	44	CINCINNATI	12,475,557
	45	CALIFORNIA, SANTA BARBARA	12,451,601
	46	WASHINGTON U.-ST. LOUIS	12,316,487
	47	GEORGIA	12,310,976
	48	SUNY-BUFFALO	12,306,444
	49	WESTERN ONTARIO	12,226,627
	50	LAVAL	12,223,185
	51	NEW MEXICO	12,160,872
	52	KANSAS	12,132,493
	53	CALIFORNIA, IRVINE	12,074,992
9	54	WAYNE STATE	11,990,794
	55	YORK	11,953,108
	56	VANDERBILT	11,901,787
	57	ILLINOIS, CHICAGO	11,806,890
	58	TEXAS A&M	11,531,165
	59	COLORADO	11,372,486
	60	BROWN	11,144,301
10	61	BOSTON	10,784,047
	62	HOWARD	10,695,404
	63	MIT	10,513,389
	64	MIAMI	10,478,437
	65	HAWAII	10,346,925
	66	PURDUE	10,165,748
	67	BRIGHAM YOUNG	10,160,063
	68	QUEEN'S	10,155,316
11	69	MCMASTER	9,972,287
	70	IOWA STATE	9,882,345
	71	MANITOBA	9,826,152
	72	TEMPLE	9,794,213
	73	SYRACUSE	9,717,897
	74	KENTUCKY	9,646,307
	75	SUNY-STONY BROOK	9,542,641
	76	DELAWARE	9,492,250
	77	WATERLOO	9,361,047
	78	VPI & SU	9,149,801
	79	TENNESSEE	9,113,296
	80	MISSOURI	9,100,508
	81	NOTRE DAME	9,039,620
12	82	DARTMOUTH	8,973,917
	83	OREGON	8,948,119
	84	FLORIDA STATE	8,891,332
	85	NEBRASKA	8,854,221
	86	ROCHESTER	8,839,303
	87	LOUISIANA STATE	8,756,965
	88	NORTH CAROLINA STATE	8,647,259
	89	SASKATCHEWAN	8,631,855
	90	WASHINGTON STATE	8,619,267
	91	SOUTH CAROLINA	8,484,026
	92	SOUTHERN ILLINOIS	8,472,995
	93	SUNY-ALBANY	8,454,102
	94	TULANE	8,243,450
	95	KENT STATE	8,191,726
	96	MASSACHUSETTS	8,053,151
13	97	UTAH	7,833,002
	98	ALABAMA	7,759,687
	99	CALIFORNIA, RIVERSIDE	7,562,642
	100	OKLAHOMA	7,558,792
	101	CASE WESTERN RESERVE	7,481,451
	102	OKLAHOMA STATE	7,079,749
14	103	HOUSTON	6,914,297
	104	COLORADO STATE	6,707,827
	105	GUELPH	6,703,676
	106	RICE	6,407,061
	107	GEORGIA TECH	5,520,979

U/A - Unavailable

RANK ORDER TABLE 10: MONOGRAPHS PURCHASED (VOLUMES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 100,000 and over
2- 90,000-99,999
3- 80,000-89,999
4- 70,000-79,999
5- 60,000-69,999
6- 50,000-59,999
7- 40,000-49,999
8- 30,000-39,999
9- 20,000-29,999
10- 10,000-19,999
11- under 10,000

Gp	Rank	Institution	Value
1	1	YALE	103,331
2	2	ARIZONA STATE	91,247
3	3	ILLINOIS, URBANA	85,101
4	4	CALIFORNIA, DAVIS	74,934
	5	WISCONSIN	74,628
	6	BRITISH COLUMBIA	72,856
5	7	CHICAGO	69,108
	8	PRINCETON	68,765
	9	ARIZONA	65,852
6	10	PENNSYLVANIA	57,544
	11	IOWA	56,665
	12	TEXAS	55,604
	13	VIRGINIA	55,559
	14	BRIGHAM YOUNG	54,590
	15	FLORIDA	53,995
7	16	KANSAS	48,685
	17	RUTGERS	44,705
	18	DUKE	42,803
	19	NEW YORK	42,580
	20	CALIFORNIA, SAN DIEGO	41,704
	21	ALBERTA	41,213
	22	JOHNS HOPKINS	40,958
	23	COLORADO	40,003
8	24	GEORGETOWN	39,186
	25	BROWN	39,018
	26	OHIO STATE	38,813
	27	NORTH CAROLINA	38,615
	28	DELAWARE	37,632
	29	WASHINGTON	36,251
	30	CINCINNATI	36,025
	31	MICHIGAN STATE	35,758
	32	WATERLOO	35,231
	33	MCGILL	35,027
	34	OREGON	34,817
	35	NEW MEXICO	34,053
	36	CALIFORNIA, IRVINE	34,037
	37	SOUTHERN CALIFORNIA	31,842
	38	CALIFORNIA, RIVERSIDE	31,149
	39	QUEEN'S	30,390
9	40	DARTMOUTH	29,780
	41	SOUTH CAROLINA	29,272
	42	GEORGIA	29,177
	43	COLORADO STATE	29,167
	44	ILLINOIS, CHICAGO	29,166
	45	TULANE	28,771
	46	MCMASTER	28,027
	47	CALIFORNIA, SANTA BARBARA	27,908
	48	TENNESSEE	27,659
	49	SUNY-STONY BROOK	27,478
	50	MIAMI	27,388
	51	SUNY-BUFFALO	26,800
	52	WAYNE STATE	26,573
	53	ALABAMA	26,409
	54	SUNY-ALBANY	25,828
	55	WASHINGTON U.-ST. LOUIS	24,774
	56	CONNECTICUT	24,427
	57	MISSOURI	24,319
	58	MARYLAND	24,056
	59	IOWA STATE	23,399
	60	SASKATCHEWAN	23,222
	61	LAVAL	22,807
	62	BOSTON	22,804
	63	GUELPH	22,446
	64	RICE	22,152
	65	TEMPLE	21,081
	66	MIT	20,596
10	67	MASSACHUSETTS	19,530
	68	SYRACUSE	19,523
	69	HOUSTON	19,185
	70	ROCHESTER	19,175
	71	HOWARD	19,149
	72	WASHINGTON STATE	18,621
	73	PURDUE	18,442
	74	KENT STATE	18,065
	75	SOUTHERN ILLINOIS	17,674
	76	OKLAHOMA	17,385
	77	NEBRASKA	17,046
	78	MANITOBA	16,915
	79	VPI & SU	16,874
	80	CASE WESTERN RESERVE	16,506
	81	KENTUCKY	16,152
	82	NORTH CAROLINA STATE	15,820
	83	OKLAHOMA STATE	10,816
		CALIFORNIA, BERKELEY	U/A
		CALIFORNIA, LOS ANGELES	U/A
		COLUMBIA	U/A
		CORNELL	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		GEORGIA TECH	U/A
		HARVARD	U/A
		HAWAII	U/A
		INDIANA	U/A
		LOUISIANA STATE	U/A
		MICHIGAN	U/A
		MINNESOTA	U/A
		NORTHWESTERN	U/A
		NOTRE DAME	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		STANFORD	U/A
		TEXAS A&M	U/A
		TORONTO	U/A
		UTAH	U/A
		VANDERBILT	U/A
		WESTERN ONTARIO	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 11: EXPENDITURES FOR MONOGRAPHS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- 500- 999
9- under 500

Gp	Rank	Institution	Value
1	1	HARVARD	5,071,198
	2	STANFORD +	4,448,803
2	3	CALIFORNIA, LOS ANGELES	3,890,784
	4	TORONTO +	3,680,918
	5	MICHIGAN	3,538,231
3	6	CALIFORNIA, BERKELEY +	3,365,395
	7	PRINCETON	3,280,061
4	8	COLUMBIA +	2,983,326
	9	ARIZONA STATE	2,914,385
	10	CORNELL	2,818,983
	11	YALE	2,594,900
	12	BRITISH COLUMBIA +	2,535,788
5	13	MINNESOTA	2,430,117
	14	WISCONSIN	2,415,581
	15	INDIANA	2,398,975
	16	PENNSYLVANIA STATE +	2,276,701
	17	TEXAS	2,213,373
	18	ILLINOIS, URBANA	2,185,239
	19	CALIFORNIA, DAVIS	2,171,395
	20	WASHINGTON	2,163,160
	21	CHICAGO +	2,096,447
	22	NEW YORK	2,086,561
	23	KANSAS	2,082,822
	24	EMORY	2,024,081
	25	IOWA	2,012,016
6	26	BRIGHAM YOUNG +	1,952,000
	27	ARIZONA	1,949,935
	28	VIRGINIA	1,931,111
	29	WAYNE STATE +	1,859,364
	30	JOHNS HOPKINS	1,855,827
	31	DUKE	1,823,442
	32	RUTGERS	1,803,447
	33	DELAWARE +	1,792,062
	34	SOUTHERN CALIFORNIA	1,788,855
	35	UTAH +	1,773,716
	36	GEORGETOWN	1,676,915
	37	ILLINOIS, CHICAGO	1,669,237
	38	BROWN	1,649,945
	39	PENNSYLVANIA	1,643,428
	40	FLORIDA	1,638,932
	41	MCGILL +	1,633,065
	42	NOTRE DAME	1,612,094
	43	NORTHWESTERN	1,610,429
	44	MCMASTER	1,608,411
	45	PITTSBURGH	1,601,396
	46	TULANE	1,599,690
	47	WATERLOO +	1,586,779
	48	NORTH CAROLINA	1,566,855
	49	WESTERN ONTARIO +	1,553,526
	50	MICHIGAN STATE +	1,544,564
7	51	ALBERTA +	1,444,458
	52	FLORIDA STATE	1,410,171
	53	VANDERBILT	1,407,777
	54	MIAMI	1,400,738
	55	COLORADO	1,392,394
	56	MARYLAND	1,390,556
	57	GEORGIA	1,388,738
	58	CINCINNATI	1,387,566
	59	OHIO STATE	1,387,270
	60	CALIFORNIA, SAN DIEGO	1,380,565
	61	QUEEN'S	1,332,288
	62	CALIFORNIA, SANTA BARBARA +	1,325,488
	63	YORK	1,246,026
	64	TEMPLE	1,242,274
	65	CALIFORNIA, IRVINE	1,238,010
	66	MISSOURI	1,208,876
	67	SUNY-BUFFALO	1,197,317
	68	SASKATCHEWAN +	1,191,721
	69	ALABAMA	1,167,393
	70	WASHINGTON U.-ST. LOUIS	1,164,083
	71	SUNY-ALBANY	1,162,287
	72	OREGON +	1,156,159
	73	CALIFORNIA, RIVERSIDE	1,133,250
	74	TEXAS A&M	1,094,888
	75	DARTMOUTH	1,086,308
	76	IOWA STATE	1,054,062
	77	CONNECTICUT	1,039,877
	78	RICE	1,020,253
8	79	HAWAII	994,945
	80	SOUTH CAROLINA	989,869
	81	SYRACUSE	976,396
	82	SUNY-STONY BROOK	956,238
	83	TENNESSEE	935,623
	84	NEW MEXICO	909,889
	85	COLORADO STATE	904,244
	86	NORTH CAROLINA STATE	889,472
	87	HOWARD +	811,030
	88	PURDUE	806,758
	89	GUELPH	805,770
	90	VPI & SU +	805,139
	91	NEBRASKA	793,229
	92	ROCHESTER	792,214
	93	WASHINGTON STATE	782,776
	94	OKLAHOMA	776,579
	95	MIT +	751,309
	96	KENT STATE	736,444
	97	LAVAL	725,032
	98	LOUISIANA STATE	660,289
	99	MANITOBA +	651,573
	100	KENTUCKY	623,258
	101	CASE WESTERN RESERVE	622,920
	102	MASSACHUSETTS	581,696
	103	HOUSTON	550,516
9	104	SOUTHERN ILLINOIS	472,436
	105	BOSTON	460,468
	106	OKLAHOMA STATE	404,428
	107	GEORGIA TECH	399,592

U/A - Unavailable + - Also includes expenditures for Other Library Materials

RANK ORDER TABLE 12: SERIALS PURCHASED (TITLES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 30,000 and over
2- 25,000-29,999
3- 20,000-24,999
4- 15,000-19,999
5- 10,000-14,999
6- under 10,000

Gp	Rank	Institution	Value
1	1	COLUMBIA	39,928
	2	CALIFORNIA, DAVIS	38,129
	3	INDIANA	37,232
	4	MICHIGAN	36,844
	5	MINNESOTA	33,659
	6	ARIZONA STATE	32,266
	7	TORONTO	30,474
2	8	TEXAS	29,031
	9	NEW YORK	27,641
	10	ARIZONA	26,314
	11	RUTGERS	25,532
3	12	FLORIDA	24,341
	13	HOWARD	24,280
	14	OHIO STATE	23,685
	15	HAWAII	23,597
	16	VIRGINIA	23,482
	17	DELAWARE	22,806
	18	GEORGETOWN	21,738
	19	CALIFORNIA, SANTA BARBARA	21,064
	20	MARYLAND	20,136
	21	KANSAS	20,123
4	22	DUKE	19,976
	23	YORK	19,917
	24	SOUTH CAROLINA	19,380
	25	CALIFORNIA, IRVINE	18,793
	26	WASHINGTON U.-ST. LOUIS	18,571
	27	BOSTON	18,039
	28	SUNY-BUFFALO	18,009
	29	CALIFORNIA, SAN DIEGO	17,783
	30	TENNESSEE	17,694
	31	VANDERBILT	17,618
	32	ALBERTA	17,525
	33	BRITISH COLUMBIA	17,369
	34	ALABAMA	17,270
	35	DARTMOUTH	17,028
	36	IOWA	16,952
	37	NEBRASKA	16,864
	38	SOUTHERN ILLINOIS	16,775
	39	SYRACUSE	16,733
	40	SOUTHERN CALIFORNIA	16,409
	41	WAYNE STATE	16,394
	42	OKLAHOMA	16,352
	43	PURDUE	16,149
	44	JOHNS HOPKINS	15,774
	45	COLORADO	15,571
	46	QUEEN'S	15,089
	47	IOWA STATE	15,047
5	48	WATERLOO	14,890
	49	OREGON	14,787
	50	TEXAS A&M	14,765
	51	MCGILL	14,530
	52	MISSOURI	14,235
	53	MIAMI	14,162
	54	HOUSTON	13,955
	55	MICHIGAN STATE	13,667
	56	VPI & SU	13,665
	57	TEMPLE	13,176
	58	BROWN	12,641
	59	MASSACHUSETTS	11,895
	60	CASE WESTERN RESERVE	11,526
	61	ROCHESTER	11,495
	62	BRIGHAM YOUNG	11,418
	63	LOUISIANA STATE	11,330
	64	MANITOBA	11,164
	65	SUNY-STONY BROOK	11,099
	66	LAVAL	11,098
	67	MCMASTER	11,035
	68	OKLAHOMA STATE	10,988
	69	RICE	10,730
6	70	KENT STATE	9,662
	71	MIT	9,587
	72	UTAH	9,553
	73	SASKATCHEWAN	9,368
	74	NORTH CAROLINA STATE	9,304
	75	COLORADO STATE	8,914
	76	CALIFORNIA, RIVERSIDE	8,247
		CALIFORNIA, BERKELEY	U/A
		CALIFORNIA, LOS ANGELES	U/A
		CHICAGO	U/A
		CINCINNATI	U/A
		CONNECTICUT	U/A
		CORNELL	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		GEORGIA	U/A
		GEORGIA TECH	U/A
		GUELPH	U/A
		HARVARD	U/A
		ILLINOIS, CHICAGO	U/A
		ILLINOIS, URBANA	U/A
		KENTUCKY	U/A
		NEW MEXICO	U/A
		NORTH CAROLINA	U/A
		NORTHWESTERN	U/A
		NOTRE DAME	U/A
		PENNSYLVANIA	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		PRINCETON	U/A
		STANFORD	U/A
		SUNY-ALBANY	U/A
		TULANE	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A
		WESTERN ONTARIO	U/A
		WISCONSIN	U/A
		YALE	U/A

U/A - Unavailable

RANK ORDER TABLE 13: EXPENDITURES FOR SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 3,900 and over
2- 3,600-3,899
3- 3,300-3,599
4- 3,000-3,299
5- 2,700-2,999
6- 2,400-2,699
7- 2,100-2,399
8- 1,800-2,099
9- 1,500-1,799
10- under 1,500

Gp	Rank	Institution	Value
1	1	HARVARD	5,178,276
	2	WASHINGTON	4,920,883
	3	MINNESOTA	4,872,642
	4	CALIFORNIA, BERKELEY	4,853,611
	5	MICHIGAN	4,747,029
	6	COLUMBIA	4,464,099
	7	RUTGERS	4,327,259
	8	CALIFORNIA, LOS ANGELES	4,278,536
	9	PENNSYLVANIA STATE	4,143,009
	10	TORONTO	4,128,857
	11	OHIO STATE	4,113,097
	12	WISCONSIN	4,084,110
	13	STANFORD	4,005,357
2	14	CORNELL	3,850,982
	15	ILLINOIS, URBANA	3,707,269
	16	YALE	3,623,500
3	17	TEXAS	3,450,108
	18	SOUTHERN CALIFORNIA	3,416,321
	19	NORTH CAROLINA	3,343,835
	20	NEW YORK	3,335,125
	21	ARIZONA	3,333,139
4	22	DUKE	3,249,607
	23	VIRGINIA	3,217,737
	24	CHICAGO	3,198,625
	25	HOWARD	3,193,287
	26	GEORGIA	3,163,751
	27	ARIZONA STATE	3,128,873
	28	PENNSYLVANIA	3,083,712
	29	PITTSBURGH	3,081,480
	30	CALIFORNIA, DAVIS	3,071,799
	31	PRINCETON	3,046,801
	32	TEXAS A&M	3,000,063
5	33	INDIANA	2,992,609
	34	CALIFORNIA, SAN DIEGO	2,977,274
	35	WASHINGTON U.-ST. LOUIS	2,958,184
	36	JOHNS HOPKINS	2,952,699
	37	PURDUE	2,920,321
	38	CINCINNATI	2,891,864
	39	ALBERTA	2,846,207
	40	WESTERN ONTARIO	2,842,689
	41	NORTHWESTERN	2,841,851
	42	CONNECTICUT	2,812,827
	43	BRITISH COLUMBIA	2,810,485
	44	VPI & SU	2,792,250
	45	ROCHESTER	2,790,565
	46	MARYLAND	2,783,911
	47	COLORADO	2,717,432
6	48	IOWA	2,670,813
	49	LOUISIANA STATE	2,627,497
	50	MICHIGAN STATE	2,607,306
	51	TENNESSEE	2,591,139
	52	FLORIDA	2,580,174
	53	FLORIDA STATE	2,578,309
	54	BOSTON	2,519,065
	55	KENTUCKY	2,504,591
	56	SOUTHERN ILLINOIS	2,473,580
	57	NEBRASKA	2,447,218
	58	VANDERBILT	2,434,647
	59	IOWA STATE	2,432,980
	60	MCMASTER	2,416,089
7	61	SUNY-STONY BROOK	2,399,593
	62	CALIFORNIA, SANTA BARBARA	2,381,596
	63	MIAMI	2,363,479
	64	KANSAS	2,361,563
	65	ILLINOIS, CHICAGO	2,360,903
	66	SYRACUSE	2,351,679
	67	EMORY	2,333,724
	68	WAYNE STATE	2,314,395
	69	NEW MEXICO	2,313,764
	70	SASKATCHEWAN	2,301,062
	71	HAWAII	2,295,190
	72	QUEEN'S	2,291,497
	73	OREGON	2,284,436
	74	CALIFORNIA, IRVINE	2,224,834
	75	MCGILL	2,214,832
	76	MISSOURI	2,210,233
	77	MIT	2,187,369
	78	WASHINGTON STATE	2,183,137
	79	SOUTH CAROLINA	2,158,703
	80	SUNY-BUFFALO	2,139,720
	81	DELAWARE	2,127,493
	82	GEORGETOWN	2,121,360
8	83	CASE WESTERN RESERVE	2,094,391
	84	LAVAL	2,081,729
	85	OKLAHOMA	2,078,555
	86	ALABAMA	2,076,429
	87	DARTMOUTH	2,062,168
	88	TULANE	2,036,910
	89	OKLAHOMA STATE	1,952,060
	90	YORK	1,950,455
	91	MANITOBA	1,947,747
	92	TEMPLE	1,944,532
	93	HOUSTON	1,923,229
	94	BRIGHAM YOUNG	1,874,648
	95	NOTRE DAME	1,867,977
	96	BROWN	1,847,088
	97	WATERLOO	1,830,042
9	98	NORTH CAROLINA STATE	1,788,797
	99	MASSACHUSETTS	1,755,733
	100	SUNY-ALBANY	1,612,979
	101	RICE	1,571,969
	102	GEORGIA TECH	1,565,195
10	103	KENT STATE	1,497,008
	104	COLORADO STATE	1,447,965
	105	CALIFORNIA, RIVERSIDE	1,382,301
	106	GUELPH	1,288,342
	107	UTAH	816,092

U/A - Unavailable

RANK ORDER TABLE 14: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 55,000 and over
2- 50,000-54,999
3- 45,000-49,999
4- 40,000-44,999
5- 35,000-39,999
6- 30,000-34,999
7- 25,000-29,999
8- 20,000-24,999
9- 15,000-19,999
10- 10,000- 14,999
11- under 9,999

Gp	Rank	Institution	Value
1	1	MINNESOTA	189,407
	2	ILLINOIS, URBANA	127,343
	3	ILLINOIS, CHICAGO	108,392
	4	WISCONSIN	90,081
	5	WASHINGTON	81,377
	6	CALIFORNIA, LOS ANGELES	76,733
	7	SOUTHERN ILLINOIS	59,439
	8	CALIFORNIA, BERKELEY	55,200
2	9	ALBERTA	53,858
	10	IOWA	50,102
3	11	HARVARD	49,623
	12	CHICAGO	48,111
	13	TEXAS A&M	47,287
	14	INDIANA	47,002
4	15	CASE WESTERN RESERVE	42,276
	16	FLORIDA	42,018
	17	ARIZONA	40,507
	18	CALIFORNIA, DAVIS	40,317
5	19	WAYNE STATE	38,060
	20	KANSAS	37,337
	21	GEORGIA	36,967
	22	CONNECTICUT	35,526
	23	PENNSYLVANIA STATE	35,005
6	24	NORTH CAROLINA	34,967
	25	ARIZONA STATE	34,131
	26	SUNY-BUFFALO	33,900
	27	MISSOURI	32,913
	28	FLORIDA STATE	32,225
	29	COLUMBIA	31,913
	30	SUNY-ALBANY	31,135
	31	VIRGINIA	31,028
	32	WASHINGTON STATE	30,944
	33	MIAMI	30,766
	34	OHIO STATE	30,427
	35	NORTH CAROLINA STATE	30,417
	36	KENT STATE	30,227
	37	DUKE	30,005
7	38	COLORADO	29,520
	39	TEXAS	28,630
	40	BRITISH COLUMBIA	28,210
	41	MCGILL	26,564
	42	ROCHESTER	26,050
	43	NOTRE DAME	25,905
	44	COLORADO STATE	25,763
	45	RUTGERS	25,722
	46	SUNY-STONY BROOK	25,408
8	47	IOWA STATE	24,597
	48	KENTUCKY	24,541
	49	CALIFORNIA, SAN DIEGO	24,520
	50	PITTSBURGH	24,396
	51	CORNELL	24,355
	52	WASHINGTON U.-ST. LOUIS	23,722
	53	MICHIGAN	23,650
	54	CINCINNATI	23,588
	55	JOHNS HOPKINS	23,285
	56	EMORY	22,608
	57	OKLAHOMA	21,710
	58	MICHIGAN STATE	20,715
	59	CALIFORNIA, IRVINE	20,513
9	60	TORONTO	19,614
	61	NORTHWESTERN	19,121
	62	OKLAHOMA STATE	18,775
	63	LAVAL	17,999
	64	VPI & SU	17,832
	65	MIT	17,815
	66	PENNSYLVANIA	17,535
	67	STANFORD	17,399
	68	BRIGHAM YOUNG	17,302
	69	DARTMOUTH	17,064
	70	HOUSTON	16,090
	71	OREGON	16,062
	72	TENNESSEE	15,529
	73	MANITOBA	15,316
	74	PURDUE	15,181
	75	YALE	15,081
10	76	NEW MEXICO	14,990
	77	MASSACHUSETTS	14,888
	78	VANDERBILT	14,785
	79	SOUTH CAROLINA	14,237
	80	MARYLAND	14,140
	81	DELAWARE	14,045
	82	MCMASTER	13,923
	83	UTAH	13,690
	84	TULANE	12,811
	85	NEBRASKA	12,724
	86	NEW YORK	12,723
	87	BOSTON	12,629
	88	GEORGIA TECH	12,420
	89	LOUISIANA STATE	12,106
	90	WESTERN ONTARIO	11,937
	91	PRINCETON	11,045
	92	TEMPLE	10,891
	93	CALIFORNIA, SANTA BARBARA	10,153
	94	GEORGETOWN	10,061
	95	CALIFORNIA, RIVERSIDE	10,052
	96	BROWN	10,022
11	97	YORK	9,599
	98	ALABAMA	9,145
	99	SYRACUSE	9,143
	100	HAWAII	8,779
	101	SOUTHERN CALIFORNIA	8,110
	102	SASKATCHEWAN	8,062
	103	WATERLOO	7,222
	104	QUEEN'S	6,963
	105	RICE	5,178
	106	HOWARD	3,305
	107	GUELPH	2,304

U/A - Unavailable

RANK ORDER TABLE 15: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 22,000 and over
2- 20,000-21,999
3- 18,000-19,999
4- 16,000-17,999
5- 14,000-15,999
6- 12,000-13,999
7- 10,000-11,999
8- 8,000- 9,999
9- 6,000- 7,999
10- 4,000- 5,999
11- under 4,000

Gp	Rank	Institution	Value
1	1	ILLINOIS, URBANA	55,797
	2	ILLINOIS, CHICAGO	55,369
	3	OHIO STATE	28,359
	4	INDIANA	23,938
	5	OKLAHOMA	23,023
	6	NORTHWESTERN	22,605
	7	PENNSYLVANIA	22,039
2	8	TEXAS A&M	21,021
	9	CALIFORNIA, BERKELEY	20,088
3	10	COLORADO STATE	19,109
	11	KENT STATE	18,683
4	12	JOHNS HOPKINS	17,917
	13	RUTGERS	17,092
	14	TEXAS	17,055
	15	ALBERTA	16,417
	16	CINCINNATI	16,253
	17	KANSAS	16,063
	18	WASHINGTON U.-ST. LOUIS	16,051
	19	BRIGHAM YOUNG	16,040
5	20	KENTUCKY	15,968
	21	PENNSYLVANIA STATE	15,803
	22	CALIFORNIA, SANTA BARBARA	14,960
	23	BRITISH COLUMBIA	14,879
	24	CALIFORNIA, SAN DIEGO	14,800
	25	MIAMI	14,665
	26	WISCONSIN	14,469
	27	CORNELL	14,190
6	28	CALIFORNIA, IRVINE	13,660
	29	HARVARD	13,626
	30	MINNESOTA	13,548
	31	NEW YORK	13,468
	32	MISSOURI	13,375
	33	MICHIGAN	13,373
	34	BOSTON	13,147
	35	PITTSBURGH	13,103
	36	TENNESSEE	13,042
	37	NEW MEXICO	12,795
	38	CHICAGO	12,610
	39	SUNY-BUFFALO	12,439
	40	VIRGINIA	12,268
	41	CALIFORNIA, RIVERSIDE	12,039
	42	NEBRASKA	12,004
7	43	COLORADO	11,973
	44	CONNECTICUT	11,576
	45	HOUSTON	11,453
	46	SASKATCHEWAN	11,323
	47	CALIFORNIA, LOS ANGELES	11,281
	48	SOUTH CAROLINA	11,257
	49	LAVAL	11,192
	50	FLORIDA	10,948
	51	IOWA	10,753
	52	CASE WESTERN RESERVE	10,634
	53	COLUMBIA	10,535
	54	YALE	10,397
	55	NOTRE DAME	10,286
	56	MCMASTER	10,261
	57	VANDERBILT	10,182
	58	TULANE	10,098
	59	DARTMOUTH	10,065
	60	SOUTHERN ILLINOIS	10,063
	61	PRINCETON	10,038
8	62	CALIFORNIA, DAVIS	9,820
	63	ROCHESTER	9,768
	64	FLORIDA STATE	9,688
	65	DUKE	9,577
	66	QUEEN'S	9,377
	67	MICHIGAN STATE	9,371
	68	EMORY	9,288
	69	PURDUE	9,174
	70	ARIZONA	9,167
	71	LOUISIANA STATE	9,118
	72	SUNY-ALBANY	9,057
	73	VPI & SU	9,048
	74	MCGILL	9,040
	75	ARIZONA STATE	8,858
	76	OKLAHOMA STATE	8,585
	77	OREGON	8,535
	78	STANFORD	8,500
9	79	MANITOBA	7,853
	80	GEORGIA	7,724
	81	UTAH	7,696
	82	MASSACHUSETTS	7,516
	83	ALABAMA	7,413
	84	SYRACUSE	7,257
	85	SUNY-STONY BROOK	7,119
	86	TORONTO	6,796
	87	TEMPLE	6,662
	88	BROWN	6,547
	89	NORTH CAROLINA	6,177
	90	IOWA STATE	6,088
	91	WASHINGTON	6,024
10	92	WAYNE STATE	5,879
	93	GEORGETOWN	5,717
	94	MARYLAND	5,466
	95	WASHINGTON STATE	5,125
	96	NORTH CAROLINA STATE	5,063
	97	DELAWARE	4,990
	98	WATERLOO	4,771
	99	SOUTHERN CALIFORNIA	4,664
	100	WESTERN ONTARIO	4,570
	101	GUELPH	4,523
	102	MIT	4,335
11	103	YORK	3,860
	104	GEORGIA TECH	3,367
	105	HAWAII	3,066
	106	RICE	2,987
	107	HOWARD	568

U/A - Unavailable

RANK ORDER TABLE 16: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

Gp	Rank	Institution	Value
1	1	HARVARD	365
3	2	YALE	195
4	3	CORNELL	173
	4	CALIFORNIA, BERKELEY	171
	5	TORONTO	166
	6	COLUMBIA	165
	7	STANFORD	156
5	8	WISCONSIN	148
	9	MICHIGAN	146
	10	ILLINOIS, URBANA	142
	10	TEXAS	142
	12	CALIFORNIA, LOS ANGELES	140
	13	NEW YORK	135
	14	WASHINGTON	128
	15	INDIANA	126
	15	MINNESOTA	126
6	17	OHIO STATE	119
	18	NORTH CAROLINA	117
	19	FLORIDA	116
	20	PENNSYLVANIA	114
	20	RUTGERS	114
	22	NORTHWESTERN	111
	23	PRINCETON	110
	24	ARIZONA STATE	108
	25	PENNSYLVANIA STATE	106
	26	BRITISH COLUMBIA	105
	27	KANSAS	103
	28	CALIFORNIA, SAN DIEGO	101
	28	SOUTHERN CALIFORNIA	101
7	30	DUKE	99
	31	ARIZONA	98
	31	JOHNS HOPKINS	98
	33	MARYLAND	95
	34	BRIGHAM YOUNG	94
	34	PITTSBURGH	94
	34	SUNY-BUFFALO	94
	37	IOWA	89
	37	VIRGINIA	89
	39	VANDERBILT	86
	40	ALBERTA	84
	40	BROWN	84
	42	GEORGIA	83
	43	MIT	82
	43	WASHINGTON U.-ST. LOUIS	82
	45	HOWARD	80
	45	MCGILL	80
	47	CHICAGO	79
	48	WAYNE STATE	78
	49	ILLINOIS, CHICAGO	77
	50	CINCINNATI	76
	50	GEORGETOWN	76
	50	NEW MEXICO	76
	53	CALIFORNIA, DAVIS	75
8	54	CONNECTICUT	72
	55	MIAMI	71
	55	MICHIGAN STATE	71
	55	TEXAS A&M	71
	58	KENTUCKY	70
	58	LAVAL	70
	60	ROCHESTER	69
	61	SYRACUSE	68
	62	BOSTON	67
	62	TEMPLE	67
	64	HAWAII	66
	65	TENNESSEE	64
	66	EMORY	63
	67	ALABAMA	62
	67	CALIFORNIA, SANTA BARBARA	62
	67	LOUISIANA STATE	62
	67	PURDUE	62
	71	SOUTH CAROLINA	61
	72	FLORIDA STATE	60
	73	CALIFORNIA, IRVINE	59
	73	CASE WESTERN RESERVE	59
	75	MANITOBA	57
	76	MISSOURI	56
	77	COLORADO	55
	77	YORK	55
	79	NEBRASKA	54
	80	DELAWARE	53
	80	TULANE	53
	82	KENT STATE	52
	82	MASSACHUSETTS	52
	84	NORTH CAROLINA STATE	51
	84	OREGON	51
	84	VPI & SU	51
	87	DARTMOUTH	50
	87	OKLAHOMA	50
	87	SUNY-STONY BROOK	50
	87	UTAH	50
9	91	OKLAHOMA STATE	49
	91	SOUTHERN ILLINOIS	49
	93	IOWA STATE	48
	93	QUEEN'S	48
	93	SUNY-ALBANY	48
	96	WESTERN ONTARIO	47
	97	WATERLOO	46
	98	GEORGIA TECH	45
	98	WASHINGTON STATE	45
	100	NOTRE DAME	43
	101	HOUSTON	42
	101	MCMASTER	42
	103	COLORADO STATE	40
	104	CALIFORNIA, RIVERSIDE	39
	104	SASKATCHEWAN	39
	106	RICE	36
	107	GUELPH	31

U/A - Unavailable

RANK ORDER TABLE 17: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 400 and over
2- 360-399
3- 320-359
4- 280-319
5- 240-279
6- 200-239
7- 160-199
8- 120-159
9- 80-119
10- under 80

Gp	Rank	Institution	Value
1	1	HARVARD	597
	2	TORONTO	441
	3	YALE	411
2	4	TEXAS	377
3	5	MICHIGAN	328
	6	COLUMBIA	324
	7	CALIFORNIA, LOS ANGELES	322
4	8	PENNSYLVANIA STATE	300
	9	STANFORD	292
	10	CALIFORNIA, BERKELEY	287
	10	CORNELL	287
5	12	RUTGERS	268
	13	ALBERTA	258
	14	BRITISH COLUMBIA	254
	15	ILLINOIS, URBANA	248
	16	WASHINGTON	247
6	17	PRINCETON	230
	18	CHICAGO	225
	19	ARIZONA STATE	214
	19	MINNESOTA	214
	21	WISCONSIN	211
	22	FLORIDA	210
	23	OHIO STATE	207
	24	NORTH CAROLINA	201
	25	MCGILL	200
	25	WESTERN ONTARIO	200
7	27	JOHNS HOPKINS	199
	28	INDIANA	197
	28	NEW YORK	197
	30	GEORGIA	193
	31	CALIFORNIA, SAN DIEGO	190
	32	LAVAL	189
	33	CALIFORNIA, DAVIS	188
	34	ARIZONA	182
	34	DUKE	182
	36	VIRGINIA	181
	37	PENNSYLVANIA	178
	38	ILLINOIS, CHICAGO	174
	39	PITTSBURGH	168
	40	NEW MEXICO	167
8	41	SOUTHERN CALIFORNIA	159
	41	TEXAS A&M	159
	43	VANDERBILT	155
	44	YORK	152
	45	EMORY	151
	46	GEORGETOWN	150
	47	MANITOBA	149
	47	MARYLAND	149
	47	PURDUE	149
	50	BOSTON	148
	51	TENNESSEE	146
	52	CALIFORNIA, SANTA BARBARA	145
	53	MCMASTER	143
	54	SYRACUSE	142
	55	NORTHWESTERN	139
	56	CINCINNATI	138
	57	QUEEN'S	136
	57	WATERLOO	136
	59	MIT	133
	60	KANSAS	132
	60	SASKATCHEWAN	132
	60	WASHINGTON U.-ST. LOUIS	132
	63	MISSOURI	130
	64	NOTRE DAME	128
	65	HOWARD	127
	66	FLORIDA STATE	125
	67	KENTUCKY	124
	68	IOWA	123
	68	MIAMI	123
9	70	CALIFORNIA, IRVINE	119
	71	MICHIGAN STATE	118
	71	NORTH CAROLINA STATE	118
	71	SUNY-STONY BROOK	118
	74	GUELPH	115
	74	IOWA STATE	115
	74	LOUISIANA STATE	115
	74	NEBRASKA	115
	78	DELAWARE	114
	79	BROWN	113
	80	WASHINGTON STATE	112
	81	UTAH	110
	82	COLORADO	109
	82	KENT STATE	109
	82	SUNY-BUFFALO	109
	85	DARTMOUTH	107
	86	VPI & SU	106
	87	TEMPLE	104
	88	HAWAII	103
	88	ROCHESTER	103
	88	SOUTH CAROLINA	103
	91	CONNECTICUT	99
	91	TULANE	99
	93	HOUSTON	98
	94	WAYNE STATE	96
	95	SOUTHERN ILLINOIS	95
	96	MASSACHUSETTS	94
	97	OREGON	92
	98	CALIFORNIA, RIVERSIDE	86
	98	SUNY-ALBANY	86
10	100	CASE WESTERN RESERVE	79
	100	OKLAHOMA	79
	102	COLORADO STATE	75
	103	ALABAMA	74
	103	OKLAHOMA STATE	74
	103	RICE	74
	106	BRIGHAM YOUNG	46
	106	GEORGIA TECH	46

U/A - Unavailable

RANK ORDER TABLE 18: TOTAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 700 and over
2- 650-699
3- 600-649
4- 550-599
5- 500-549
6- 450-499
7- 400-449
8- 350-399
9- 300-349
10- 250-299
11- 200-249
12- under 200

Gp	Rank	Institution	Value
1	1	HARVARD	1,134
	2	CALIFORNIA, BERKELEY	776
2	3	TORONTO	692
	4	YALE	689
	5	CALIFORNIA, LOS ANGELES	662
3	6	COLUMBIA	633
	7	MICHIGAN	619
4	8	TEXAS	596
	9	CORNELL	570
5	10	STANFORD	536
	11	MINNESOTA	526
	12	WISCONSIN	521
	13	RUTGERS	512
	14	WASHINGTON	511
	15	ILLINOIS, URBANA	502
6	16	PENNSYLVANIA STATE	479
	17	INDIANA	475
	18	OHIO STATE	474
7	19	FLORIDA	439
	20	NEW YORK	438
	21	ARIZONA STATE	415
	22	BRITISH COLUMBIA	406
8	23	NORTH CAROLINA	391
	24	PRINCETON	390
	25	CHICAGO	389
	26	PENNSYLVANIA	388
	27	ALBERTA	377
	28	ARIZONA	376
	29	CALIFORNIA, SAN DIEGO	373
	30	BRIGHAM YOUNG	360
	30	GEORGIA	360
	32	SOUTHERN CALIFORNIA	358
	33	PITTSBURGH	354
	34	NORTHWESTERN	353
9	35	MARYLAND	348
	36	NEW MEXICO	347
	37	VIRGINIA	340
	38	JOHNS HOPKINS	339
	39	DUKE	331
	40	KANSAS	330
	41	CALIFORNIA, DAVIS	327
	42	MCGILL	324
	43	MICHIGAN STATE	314
	44	CINCINNATI	310
	45	TEXAS A&M	308
	46	VANDERBILT	301
10	47	GEORGETOWN	296
	48	ILLINOIS, CHICAGO	294
	49	SUNY-BUFFALO	289
	50	WESTERN ONTARIO	287
	51	IOWA	283
	52	BROWN	274
	53	BOSTON	273
	54	KENTUCKY	271
	54	PURDUE	271
	56	WASHINGTON U.-ST. LOUIS	266
	57	LAVAL	264
	58	EMORY	263
	59	TENNESSEE	258
	60	YORK	257
	61	SYRACUSE	255
	62	KENT STATE	252
	63	LOUISIANA STATE	251
	64	CALIFORNIA, SANTA BARBARA	250
11	65	MIT	245
	66	FLORIDA STATE	244
	67	MIAMI	239
	68	WAYNE STATE	238
	69	HAWAII	235
	70	CALIFORNIA, IRVINE	234
	70	SOUTHERN ILLINOIS	234
	72	HOWARD	233
	73	MISSOURI	232
	74	CONNECTICUT	231
	75	ROCHESTER	230
	75	VPI & SU	230
	77	COLORADO	229
	78	MANITOBA	228
	79	IOWA STATE	227
	80	SUNY-STONY BROOK	222
	81	TEMPLE	220
	82	NORTH CAROLINA STATE	219
	83	OREGON	217
	83	UTAH	217
	85	DELAWARE	214
	86	NEBRASKA	211
	87	WASHINGTON STATE	209
	88	SOUTH CAROLINA	208
	89	MCMASTER	207
	90	QUEEN'S	206
12	91	WATERLOO	199
	92	NOTRE DAME	198
	93	HOUSTON	197
	94	OKLAHOMA	189
	95	MASSACHUSETTS	186
	95	OKLAHOMA STATE	186
	97	DARTMOUTH	185
	97	TULANE	185
	99	ALABAMA	182
	100	SASKATCHEWAN	181
	101	SUNY-ALBANY	177
	102	CALIFORNIA, RIVERSIDE	170
	103	CASE WESTERN RESERVE	168
	104	GUELPH	160
	105	COLORADO STATE	137
	106	RICE	128
	107	GEORGIA TECH	110

U/A - Unavailable

ARL STATISTICS, 1990-91

Instructions for Completing the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in *American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983.* (New York, American National Standards Institute, 1983.)

2. The questionnaire assumes a fiscal year ending June 30, 1991. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

3. **Please do not use decimals.** All figures should be rounded to the nearest whole number.

4. **Please do not leave any lines blank.** If an exact figure is unavailable, use **U/A**. If a question is not applicable to your library, use **N/A**. If the appropriate answer is zero or none, use **0**.

5. In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in a footnote on p. 4 of the questionnaire.

6. A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

7. **Questions 1-6. Collections.** Use the ANSI Z39.7-1983 definition for **volume** as follows:

   a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, that has been cataloged, classified, and made ready for use.

   Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote on p. 4 of the questionnaire.

   Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes, then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

   52 documents pieces per foot
   10 "traditional" volumes per foot
   5.2 documents pieces per volume

   If either formulas or sampling are used for deriving your count, please indicate in a footnote.

8. **Question 2.** Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1.

9. **Question 6.** Report number of volumes purchased. Include all volumes for which an expenditure was made during 1990-91, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote on p. 4 of the questionnaire. **Note:** This question is concerned with volumes purchased rather than volumes received or cataloged. Question 16 requests the expenditure for the volumes counted here.

10. **Questions 7-9. Serials.** Report the total number of subscriptions, not titles. Include duplicate subscriptions and, to the extent possible, all government document serials even if housed in a separate documents collection. Verify the inclusion or exclusion of document serials in the notes section on p. 3. Exclude monographic and publishers' series. A **serial** is

a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.

11. **Question 8.** If separate counts of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 9, and report U/A for lines 7 and 8.

12. **Question 10. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; footnote on p.4 if documents are excluded.

13. **Question 11. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not already been counted in any of the above categories. Include local, state, national and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula *1 foot = 52 pieces* and indicate in a footnote that the count is based on this estimate. Exclude microforms and nonprint formats such as maps or CD-ROMs.

14. **Questions 12-15. Personnel.** Report the number of staff in filled positions, or positions that are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote on p. 4 of the questionnaire. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week. **Round figures to the nearest whole numbers.**

15. **Question 12.** Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

16. **Question 14.** Report the total FTE (see instruction 14) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library's, including federal work-study programs. Exclude maintenance and custodial staff.

17. **Questions 16-27. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question 24 include non-library funds; see instruction #24.) Do not report encumbrances of funds that have not yet been expended. Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.1547, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 1990-June 1991. **Please round figures to the nearest dollar.**

18. **Question 16.** Report expenditures for volumes counted on line 6.

19. **Question 17.** Exclude monographic and publishers' series, and encumbrances.

20. **Question 18.** Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc. If expenditures for these materials are included in lines 16 and/or 17 and cannot be disaggregated, please report U/A and provide a footnote on page 4. Do not include encumbrances.

21. **Question 19.** Include any other **materials funds expenditures** not included in questions 16-18, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote on p. 4 of the questionnaire. **Note:** If your library does not use materials funds for non-materials expenditures -- i.e., such expenditures are included in "Other Operating Expenditures" -- **report 0, not U/A**, on line 19.

22. **Question 21.** Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire; do not include personnel expenditures.

23. **Questions 22-25.** Exclude fringe benefits. If professional and nonprofessional salaries cannot be separated, enter U/A on lines 22 and 23 and enter total staff on line 25.

24. **Questions 24-25.** Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

25. **Question 26.** Exclude expenditures for buildings, maintenance, and fringe benefits.

26. **Questions 28-29. Interlibrary Loan.** Report the number of filled requests for material provided to other libraries on line 28. Report the number of filled requests for material received from other libraries or document delivery services on line 29. On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Do not include transactions between libraries covered by this questionnaire.

27. **Questions 30-31. Ph.D. Degrees.** Report the number awarded during the 1990-91 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote on p. 4 of the questionnaire.

28. **Question 31.** For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted on p. 4 of the questionnaire.

29. **Questions 32-35. Enrollment**. U.S. libraries should use the Fall 1990 enrollment figures reported to the Department of Education on the form entitled "Integrated Postsecondary Education Data System, Fall Enrollment 1990." The line and column numbers on the IPEDS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

30. **Question 36. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as

"those members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave. Full-time counts exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses."

Please be sure the number reported, and the basis for counting, are consistent with those for 1989-90 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

31. **Footnotes.** Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #5 for definition of branch campus libraries). Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1989-90 *ARL Statistics* is included in the questionnaire. **Please update these notes, delete them, or indicate that they remain valid.** Note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published *Statistics*, not to a line number on the questionnaire.)

30. After the questionnaire has been completed, compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year. If an unusual change has occurred, provide an explanatory footnote on p. 4 of the questionnaire.

31. Before returning the questionnaire, **please check all arithmetic.** Many follow-up telephone calls can be avoided if calculation errors are corrected before the questionnaire is submitted.

32. Return one copy of the questionnaire to the ARL Office by **October 11, 1991.** If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office. Please be sure the library director has signed the questionnaire before it is returned.

ASSOCIATION OF RESEARCH LIBRARIES

ARL STATISTICS QUESTIONNAIRE, 1990-91

Please do not leave any lines blank. If an exact figure is unavailable, use "U/A." If a question is not applicable in your library, use "N/A." If the appropriate answer is zero or none, use "0".

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Position _____ Phone _____

Contact Person (if different) _____

Position _____ Phone _____

COLLECTIONS *(See instructions 7-11)*

1. **Volumes held June 30, 1990** *(See instruction 7)* _____
(Exclude microforms, uncataloged govt. docs., maps, a/v material. Record figure reported last year or footnote adjusted figure on p. 4.)

2. **Volumes added during year -- Gross** *(See instruction 8)*
(Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

3. **Volumes withdrawn during year**
(Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

4. **Volumes added during year -- Net** (Subtract line 3 from line 2) _____

5. **Volumes held June 30, 1991** (Add line 1 to line 4) _____

6. **Number of monographic volumes purchased** *(See instruction 9)* _____
(Volumes for which expenditures are reported on line 16. Footnote if titles.)

7. **Number of current serials, including periodicals, purchased** *(See instruction 10)* _____

8. **Number of current serials, including periodicals, received but not purchased** (Exchanges, gifts, deposits, etc.)
(See instructions 10-11) _____

9. **Total number of current serials received** (Add line 7 to line 8) _____
(See instruction 11)

10. **Total microform units held June 30, 1991** *(See instruction 12)* _____

11. **Total government documents not counted above** (pieces) _____
(See instruction 13)

PERSONNEL *(See instructions 14-16. Round figures to nearest whole number.)*

12. **Number of professional staff, FTE** *(See instruction 15)* _____

13. **Number of nonprofessional staff, FTE** _____

14. **Number of student assistants, FTE** *(See instruction 16)* _____

15. **Total FTE staff** (Add lines 12, 13, 14) _____

1527 New Hampshire Avenue, N.W., Washington, D.C. 20036
202-232-2466 FAX 202-462-7849

EXPENDITURES *(See instructions 17-25)*	Dollars Canadian (Canadian libraries only)	Dollars U.S. (Divide Canadian dollars by 1.1547)
16. Monographs (Expenditures for volumes reported on line 6) *(See instruction 18)*		
17. Current serials including periodicals *(See instruction 19)*		
18. Other library materials (e.g., microforms, a/v, etc.) *(See instruction 20)*		
19. Miscellaneous (All materials fund expenditures not included above) *(See instruction 21)*		
20. Total library materials (Add lines 16, 17, 18, 19)		
21. Contract binding *(See instruction 22)*		
22. Salaries and wages – professional staff *(See instruction 23)*		
23. Salaries and wages – nonprofessional staff *(See instruction 23)*		
24. Salaries and wages – student assistants *(See instruction 24)*		
25. Total salaries and wages (Add lines 22,23,24) *(See instruction 23)*		
26. Other operating expenditures *(See instruction 25)*		
27. Total library expenditures (Add lines 20, 21, 25, 26)		

INTERLIBRARY LOANS *(See instruction 26)*

28. Total number of filled requests for materials <u>provided</u> to other libraries	
29. Total number of filled requests for materials <u>received</u> from other libraries	

PH.D. DEGREES *(See instructions 27-28)*

30. Number of Ph.D.s awarded in FY1990-91	
31. Number of fields in which Ph.D.s can be awarded *(See instruction 28)*	

ENROLLMENT -- FALL 1990 *(See instruction 29; line numbers refer to IPEDS survey form)*

32. Total full-time students (Add line 8, columns 15 & 16, and line 14, cols. 15 & 16)	
33. Total part-time students (Add line 22, columns 15 & 16, and line 28, cols. 15 & 16)	
34. Total full-time graduate students (Line 14, columns 15 & 16)	
35. Total part-time graduate students (Line 28, columns 15 & 16)	

FACULTY *(See instruction 30)*

36. Number of full-time instructional faculty in FY1990-91	

FOOTNOTES FOR ARL STATISTICS, 1990-91

(See instruction 31. Compare footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes from last year is given on p. 4 of this questionnaire.)

1. **Law Library statistics are included.**

   _____ Yes _____ No _____ We do not have a Law Library

2. **Medical Library statistics are included.**

   _____ Yes _____ No _____ We do not have a Medical Library

3. **Other main campus libraries not included:**

   _____

   _____

   _____

4. **Figures include reports from branch campus libraries.** *(See instruction 5)*

   _____ Yes _____ No _____ We have only one campus.

5. **If branch campus libraries are included, please specify which campuses.**

   _____

   _____

6. **If branch campus libraries are <u>not</u> included, please specify which campuses:**

   _____

   _____

7. **Basis of volume count is:** _____ Physical _____ Bibliographic

8. **Count of current serials** (Questions 7-9) **includes government document serials.**

   _____ Yes _____ No

9. **Fringe benefits are included in expenditures for salaries and wages** (Questions 22-25).

   _____ Yes _____ No

10. **Other comments:**

    _____

    _____

    _____

    _____

    _____

FOOTNOTES FOR ARL STATISTICS, 1990-91

11. Footnotes as published in the 1989-90 *ARL Statistics*. (Please indicate revisions, additions, and deletions as appropriate. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. Note: number in ( ) refers to the column in Library Data Tables in 1989-90 *ARL Statistics*.)

PLEASE RETURN COMPLETED QUESTIONNAIRE TO THE ARL OFFICE BY **OCTOBER 11, 1991.**

Reporting Institution: _____

Library Director's Signature: _____

Association of Research Libraries, 1527 New Hampshire Avenue, N.W., Washington, D.C. 20036. (202) 232-2466; Fax (202) 462-7849. Please call Sarah Pritchard or Eileen Finer for assistance with the questionnaire; E-mail PRITCHAR@UMDC.BITNET or PRITCHAR@UMDC.UMD.EDU.

FOOTNOTES TO THE ARL STATISTICS, 1990-91

Footnotes may also include errata and corrections to 1989-90 data not previously reported. Numbers in parentheses refer to columns in Library Data Tables (fold-out pages) and not to questionnaire numbers or rank tables.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ALABAMA		All figures are as of September 30, 1991.
	(1, 5)	Excludes government documents.
	(6)	Includes government documents microforms.
	(9)	Government documents are not yet included in online catalog.
	(12)	Includes 2 FTE temporary positions.
	(13)	Includes 7 FTE temporary positions.
	(18)	Includes Law Library, Health Sciences Library, and Map Library only; Gorgas Library (main) and branches do not separate expenditures for audio-visual materials and microforms.
	(19)	CRL membership.
	(26)	Includes bibliographic utilities, memberships (except CRL), and literature searching.
ALBERTA		All figures are as of March 31, 1991.
		Includes Faculté St. Jean, books from Map Collection and Data Library. Excludes St.Joseph's College Library, University of Alberta Hospital School of Nursing, and departmental reading rooms.
	(1)	1989-90 figures revised to reflect the addition of the Canadian Circumpolar Library (formerly the Boreal Institute for Northern Studies Library).
	(3, 4)	Includes government documents.
	(1, 4)	Since this is the first time we have reported holdings for the Canadian Circumpolar Library or Government documents serials, these figures are judged to be reasonable estimates. Over the next year these statistics will be refined.
	(16, 17)	Figures including outside funding would be (16) $2,171,290 (Can.); (17) $3,445,037 (Can.).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ALBERTA (cont'd)	(18, 19)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,667,915; (17) $3,286,516; (18) U/A; (19) 0; (20) $4,954,431 (21) $147,327; (22) $3,942,246; (23) $6,966,595; (24) $713,966; (25) $11,622,807; (26) $1,352,959; (27) $18,077,524.
		Expenditures are University-provided funding only.
ARIZONA	(1)	1989-90 figure revised to include government documents; count derived by formula.
	(6)	Figures for Health Sciences are unavailable.
	(7)	Includes government documents serials.
ARIZONA STATE		Includes Arizona State University West Campus.
	(1, 8)	Excludes government documents.
	(8)	ASU West conducted an actual inventory of microform units and its count of holdings increased by approximately 500,000 units.
	(9)	Figure based on FY89-90 linear measurements and FY 1990-91 actual statistics.
		The full-time instructional faculty definition used by ASU in FY90-91 was changed. The reported figures are based on the IPEDS definition.
BOSTON		Includes the Theology Library.
	(1)	1989-90 figure has been revised.
	(1-3, 5-8)	Governments documents are included.
BOSTON PUBLIC	(1)	Includes branch libraries and general library (1,246,296). Excludes patents (9,435,056); prints (726,924); and manuscripts (1,203,303).
	(1, 5-7)	Excludes government documents.
	(3)	For FY91 weeding was done in advance for bar-coding the DRA circulation system. For added and total items in the collection systematic inventory procedures were completed and have now recorded losses from past years.
BRIGHAM YOUNG		All figures are as of August 31, 1991.
	(1-3, 5-8)	Government documents are included.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
BRIGHAM YOUNG (cont'd)	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
BRITISH COLUMBIA	(1-9, 16-27)	Figures are as of March 31, 1991.
	(1)	Includes cataloged and classified government publications.
	(8)	Includes government documents.
	(12-15)	Five systems positions previously listed as non-professional staff are now listed as professional.
	(18-19)	Included in Monographs Expenditures (16).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $2,928,074; (17) $3,245,267; (18) U/A; (19) U/A; (20) $6,173,341; (21) $244,422; (22) $5,354,829; (23) $6,527,810; (24) $1,125,610; (25) $13,008,249; (26) $2,060,205; (27) $21,486,217.
BROWN		Includes John Carter Brown, Annmary Brown, and Art Slide Libraries & media services.
	(1)	1989-90 figure revised. Includes government documents cataloged through a local card file and is based on an exact count.
	(16)	Includes documents and media (such as microforms, videos, and sound recordings).
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
CALIF., BERKELEY	(1-3, 5-8)	Includes government documents.
	(18, 19)	Included in Monographs Expenditures (16).
CALIF., DAVIS		Includes Harrison Western Research Center Library (18,995 bound volumes and 107 non-document serials) in Fair Oaks, California..
	(8)	Includes government documents.
CALIF., IRVINE	(1-3, 5-8)	Includes government documents, based on a piece count.
	(4)	Includes 2,773 East Asian language materials.
	(5-7)	Now includes government document serials.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CALIF., LOS ANGELES		Volume counts exclude government documents.
	(1-2)	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	(5-7)	Includes cataloged government document serials.
	(12)	Professional Staff includes Management and Professional Program employees.
CALIF., RIVERSIDE	(1)	Includes 409,184 government document volumes.
	(7-8)	Includes government documents.
	(9)	Majority of government documents are included in the bound volume count and are accessible through the online catalog.
	(24)	Includes $44,380 in federal work study funds.
	(26)	Includes opportunity funds, budgeted funds, and IUC funds.
CALIF., SAN DIEGO	(1-3, 5-8)	Includes government documents.
	(2)	Includes 52,987 gift document volumes (government documents now cataloged and counted as bound volumes, subtracted from government documents).
	(11)	Includes government/serials and monographic standing orders and microform serials.
	(17)	Includes serial and monographic standing orders and microform serials.
	(19)	Includes database services (literature searches).
	(15, 25)	Ingludes 12.29 FTE hired for cost recovery operations, special projects, and grants.
	(26)	Other expenditures lower in 1990-91 than in 1989-90 because of major automation equipment purchases in 1989-90.
		Faculty figures are FTE, almost all of which are full time.
CALIF., SANTA BARBARA		Volume counts exclude government documents.
	(5-7)	Includes government document serials.
	(18-19)	Included in Monographs Expenditures (16).

INSTITUTION	CATEGORY (FROM MAIN TABLES	NOTES
CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION		Includes 14 branch libraries throughout Canada that serve the divisions of the National Research Council of Canada, CISTI's parent organization.
		All figures are as of March 31, 1991.
	(1-3, 5-8)	Includes government documents.
	(8)	Total microform titles held, excluding individual fiche.
	(25)	Includes fringe benefits.
	(16-27)	Expenditures reported in Canadian dollars were: (16) U/A; (17) U/A; (18) U/A; (19) U/A; (20) $8,399,096 (21) $38,257; (22) U/A; (23) U/A; (24) U/A; (25) $9,088,000; (26) $8,107,759; (27) $25,633,112.
CASE WESTERN RESERVE	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised to include 113,598 government documents volumes. Estimate derived using formulas. The figure represents cataloged (post-1976) as well as SuDoc classified (pre-1976) government documents.
	(1-3)	Count is physical for some libraries and bibliographical for others.
	(2)	For the Medical Library: excludes unclassed volumes of serials, which were included in previous years.
	(5-7)	Includes government document serials.
	(9)	Represents pre-1987 United Nations official documents; estimated based on 1 foot=52 pieces.
	(12)	For the Medical Library: includes 1 FTE paid from special project funds.
	(13)	For the Medical Library: includes 2 FTE paid from grant funds.
	(16-17)	For the Law Library: does not include $169,839 in invoices for which materials were received in 1989-90, but payments deferred until 1990-91.
CENTER FOR RESEARCH LIBRARIES	(1-3, 8)	Includes government documents (estimated).
	(5-7)	Excludes state documents and South and Southeast Asian documents.
	(9)	Government documents estimated.
	(18, 27)	Includes restricted-fund expenditures.
	(26)	Excludes figures related to building maintenance.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CHICAGO	(1-3)	Includes government documents.
	(1, 2)	1989-90 figures revised.
	(5-7)	Includes monographic series; excludes duplicate subscriptions.
	(4, 16)	Excludes monographic series and continuations.
	(7, 8)	Includes cataloged government document microforms.
	(7)	Decrease from 1989-90 due in part to serial record maintenance activities, and not entirely to cancellations or cessations.
	(11)	Excludes 1,028 filled requests for materials received from the Center for Research Libraries.
	(12-15, 22-25)	Have not segregated data on cost recovery positions/staff hired for special projects and grants.
	(17)	Includes monographic series; includes duplicate subscriptions.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
CINCINNATI	(1, 8)	Excludes government documents.
	(1)	1989-90 figure revised.
		Degrees awarded includes only Ph.D. degrees; excludes all other doctoral degrees.
COLORADO	(1-3)	Excludes government documents.
	(5-8)	Includes government documents.
	(13)	Includes 8 FTE paid from auxiliary funds.
	(14)	Includes 37 FTE paid from work study funds.
	(19)	Includes bibliographic utility expenditures.
COLORADO STATE	(1, 8)	Excludes government documents.
	(2)	Includes 123,103 volumes of documents with records loaded into online catalog; calculated by sampling.
	(17)	Includes serials prepaid expenditures of $777,500 for FY91 that were subsequently placed into a prepaid asset account established by the University per State Auditor requirement in order to accommodate AICPA accrual accounting standards. These expenditures will clear during FY 1990-91 and will not be reflected in ARL statistics for CSUL for 1991-92.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
COLORADO STATE (cont'd)	(19)	Includes ARL ($10,200); CRL ($22,168); RLG ($13,310); RLG Resource Sharing Program ($34,071); RLIN ($154,019); OCLC tapeload ($7,600); Coalition for Networked Information ($2,500); CARL/DOE load ($450); and IBDBS ($6,413).
	(26)	Includes payment for IBM 4361 ($96,000), and Anheuser-Busch gift expenditures ($113,950).
COLUMBIA		Volume count for Law School is bibliographical.
	(1-3, 5-8)	Includes government documents.
	(18)	Included in Monograph Expenditures (16) and Serials Expenditures (17).
	(19)	Expenditures for computer databases.
CONNECTICUT		Includes Greater Hartford Campus. Excludes Avery Point, Stamford, Torrington, and Waterbury.
	(1-3, 8)	Includes government documents.
CORNELL		Includes Geneva Experiment Station.
	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised.
	(24)	Federal work study student salary figures for statutory libraries included for the first time.
DARTMOUTH		Volume counts exclude government documents.
		Prior to 1987 formulae used.
	(12-15)	Includes 4 FTE professionals, 3.5 FTE non-professionals, and .5 FTE student assistants paid from grant funds.
DELAWARE		Includes Marine Studies Library at the University of Delaware Marine Studies Research Complex in Lewes, Delaware.
	(1-3, 8)	Includes government documents.
	(12-13)	Includes 2 professional staff and 2 support staff paid by grant funding.
	(12-15, 22-25)	Excludes professional and nonprofessional staff in Computing and Network Services assigned to the library.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
DELAWARE (cont'd)	(20)	Excludes costs for 4 licensed databases.
	(26)	Includes costs for 4 licensed databases.
	(27)	Excludes operating budget of University of Delaware Library Associates, which in 1990-91 was $75,096.
DUKE		Includes Fuqua School of Business Library.
	(1)	1989-90 figure revised.
	(1-3, 5-8)	Includes government documents.
DUKE	(2-3)	Includes 56,564 government documents added to the catalog.
	(4)	Count is of titles rather than volumes. Does not include Law Library monographs purchased.
	(5, 6)	Excludes Law Library.
	(8)	Counts based on physical microform pieces. Includes Law Library government documents.
		Faculty figure includes tenured and tenure track faculty only.
EMORY	(1-3, 5-8)	Includes government documents; count based on formulas.
	(1)	1989-90 figure revised to include 174,652 government document volumes.
	(12-27)	Figures are as of August 31, 1991.
	(15)	Includes 9 FTE cost recovery positions and 6 FTE project positions.
	(19)	Includes database searches ($233,523) and bibliographic utilities ($47,622).
FLORIDA	(1-3, 8)	Includes government documents.
	(1)	1989-90 figure revised. Total includes cataloged monographs, serials, reports and scores.
	(2)	1989-90 figure omitted inadvertently certain categories of processed materials.
	(20)	Includes special one-time funds.
	(22-25)	Does not include fringe benefits as it did in FY89.
	(27)	Excludes expenditures for library automation provided by Florida Center for Library Automation.
		1989-90 faculty figure was reported incorrectly. Full-time faculty should have been 2,329.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
FLORIDA STATE		Includes branch campus in Panama City (holdings and materials expenditures only); excludes Development Research School.
	(1, 7)	Some cataloged government documents excluded.
	(1, 8)	Includes government documents.
	(16)	Includes microforms, audiovisual materials, etc.
	(18, 19)	Figures available for Law Library only.
	(21)	Includes government documents not previously counted.
		Ph.D.s awarded includes all doctoral degrees.
GEORGETOWN		Volume counts exclude government documents.
	(1)	1989-90 figure revised.
	(5-7)	Includes government documents if cataloged and not part of the depository collection.
	(22, 23, 25)	Excludes salaries paid from grants in the medical library; those salary figures are not available.
GEORGIA	(1-3, 5-8)	Includes cataloged government documents, some of which are shelved together in the Main and Science Libraries.
GEORGIA TECH	(1-3, 5-7)	Includes government documents that are cataloged, classified, and housed separately.
GUELPH		All figures are as of April 30, 1991.
	(1-3, 5-8)	Includes government documents coded, processed and made accessible using the CODOC system.
	(20)	Includes non-budgetary grants of $12,600.
	(23)	Increase in wages for non-professional staff is result of implementing pay equity legislation.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $930,423; (17) $1,487,649; (18) $101,324; (19) $25,615; (20) $2,545,011; (21) $107,376; (22) $1,738,901 (23) $2,809,270; (24) $158,467; (25) $4,706,638; (26) $381,712; (27) $7,740,737.
HARVARD		Includes research institutions in District of Columbia and Italy.
	(1)	1989-90 figure revised.
	(1-3, 5-8)	Includes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
HARVARD (cont'd)	(2-3)	Increase due to high productivity in cataloging.
	(7)	FY91 serials totals are based on revised FY90 subscription counts in some units and do not reflect serials cancellations overall.
	(8)	Includes some government documents; excludes some international government documents.
	(10)	Includes a unit within the Library System that had not been counted in previous years.
	(27)	Separate figures for expenditures from grants and special projects are not available. Excludes fringe benefits ($5,575,655) and buildings and maintenance ($2,673,146) charged to library budget. Total reported expenses include these items: ($58,497,993). Cost recovery items ($4,412,701) included this year. All Ph.D.s are awarded through the Graduate School of Arts and Sciences. Full-time instructional faculty includes FY 90-91 full-time faculty count for all faculties of the University.
HAWAII	(1-3, 5-8)	Includes government documents; based on a piece count.
HOUSTON		All figures are as of August 31, 1991. Excludes branch campus libraries at Clear Lake, Victoria, and Downtown.
	(1-3, 8)	Excludes government documents.
	(26)	Excludes $202,274 in final payments for ILS and $135,290 for University-purchased disk drives.
HOWARD	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
ILLINOIS, CHICAGO	(1-3)	Excludes government documents.
	(5-8)	Includes government documents.
ILLINOIS, URBANA	(1-3, 5-8)	Includes government documents.
	(7)	Estimated figure.
	(15)	Includes 24 FTE graduate assistants and 10 FTE funded from research grants or other temporary funds.
	(29)	1989-90 figure revised.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
INDIANA	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised, includes 833,809 government documents.
	(10-11)	Implementation of library automation project is creating changes in interlibrary loan patterns.
	(15)	Includes new staffing supported by special funding for library automation project.
	(26)	Includes new funding for library automation project.
IOWA	(1-3, 8)	Excludes government documents.
	(5-7)	Includes only those government documents received on paid subscriptions, except Law, which includes all U.S. government documents. Also excludes annuals and proceedings.
	(17)	Excludes annuals and proceedings; includes memberships.
	(19)	Includes RLIN operating expenses $245,263; does not include CRL dues which were not paid.
	(25)	Excludes salary for .5 FTE Associate Dean for Research in Law.
	(26)	Includes automation expenditures.
IOWA STATE	(1-3, 5-8)	Includes government documents; based on ARL formula.
	(1)	1989-90 figure revised.
	(7)	Includes 2,789 government document serials.
	(13)	Includes 8 FTE cost recovery positions and 2.4 FTE positions paid out of other academic accounts.
	(14)	Includes 2.9 FTE cost recovery/grant positions,.3.6 FTE positions paid out of other academic accounts, and 2.7 FTE for special projects.
	(19)	Includes OCLC ($21,000), literature searching ($4,000), and contract conservation ($2,423).
JOHNS HOPKINS		Includes Eisenhower Library; Peabody Conservatory Library; Welch Medical Library; Institute of the History of Medicine; School of Hygiene and Public Health Library; Applied Physics Laboratory Library; School of Advanced International Studies in Washington, DC, and Bologna, Italy; the Center for Italian Studies in Florence, Italy; the Montgomery County Center in Rockville, MD; and the School of Continuing Studies' Columbia Center and Downtown Center.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
JOHNS HOPKINS (cont'd)	(1)	1989-90 figure revised.
	(1-3, 5-8)	Includes government documents based on ARL formula.
	(19)	Includes literature searching, computer-assisted instruction, and postage for library materials.
KANSAS		Main Library includes Regents Center Library, Overland Park Kansas. Medical Library includes Clendening History of Medicine Library beginning in 1990-91, and excludes University of Kansas School of Medicine at Wichita, KS.
	(1)	1989-90 figure revised; includes 21,645 volumes for Clendening History of Medicine Library.
	(1-3, 5-8)	Excludes government documents.
	(22)	Includes $174,940 (9.5 FTE) for grant-funded position.
	(23)	Includes $11,228 (1 FTE) grant-funded position.
	(24)	Includes $5,760 grant-funded student assistants.
	(27)	Expenditure statistics (16-27) exclude Clendening History of Medicine Library.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 58 fields at Lawrence campus and 11 Medical Center in Kansas City. Two fields are inter-campus programs and were reported twice in FY90. Two removed in FY90 from Lawrence Campus.
		Main Library full-time instructional faculty excludes faculty administrators and librarians. Medical Library faculty excludes 63 full-time faculty at University of Kansas School of Medicine in Wichita, KS.
KENT STATE		Includes main campus and branches at Astabula, Geauga, East Liverpool, Salem, Stark, Trumbull, Tuscarawas.
	(1)	1989-90 figure revised.
	(1-3, 5-8)	Includes government documents.
	(5)	Includes continuations.
	(7)	Includes some current serials that are U/A for columns 5 and 6.
	(9)	Includes only several branch campus libraries
	(12-15, 18, 20, 22-27)	Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproduction.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
KENT STATE (cont'd)	(26)	Excludes $1,098,976 in fringe benefits paid by the library, included in previous years.
KENTUCKY		Excludes branch campuses at Lexington, Prestonsburg, Madisonville, Hopkinsville, Henderson, Louisville (2), Ashland, Somerset, Maysville, Elizabethtown, Cumberland, Hazard, Owensboro, and Paducah.
	(1-3, 5-8)	Includes government documents; based on combination of sampling and volume count.
	(1)	1989-90 figure revised.
	(19)	Includes: bibliographic utilities, $149,000; deposit accounts, $20,076; postage, $35,247; document delivery and literature searching, $6,682.
	(26)	Includes: Information Systems sector support $219,910; grants and gifts $299,462; and income $151,582.
LAVAL	(1-3, 5-8)	Includes government documents.
	(3-4)	Count is number of titles rather than volumes.
	(16)	Includes $55,570 (Can.) in grant funds.
	(18)	Includes $136,514 (Can.) for a special microfilming program for part of the Scientific Library's periodical collections.
	(19)	Includes online literature searching.
	(21)	Includes only special contracts and binding supplies. Most binding is done in-house. Salaries involved are $198,526 (Can.).
	(25)	Excludes fringe benefits $1,456,894 ($1,682,276 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $837,194; (17) $2,403,772; (18) $172,987; (19) $108,145; (20) $3,522,098; (21) $76,508; (22) $3,819,741; (23) $5,314,231; (24) $242,707; (25) $9,376,679; (26) $1,138,826; (27) $14,114,111.
LIBRARY OF CONGRESS		All figures are as of September 30, 1991.
	(7)	Estimated figure.
	(22-25)	Includes fringe benefits.
LINDA HALL		All figures are as of December 31, 1991.
	(1-3, 5-8)	Excludes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.
	(1)	1989-90 figure revised; includes 360,591 government documents not previously counted.
	(1-3, 8)	Includes government documents.
	(4)	Includes 9,132 for Law Library; Main Library and Veterinary Medicine Library unable to report.
	(5-6)	Excludes Law, unable to separate statistics.
	(18)	Audio recordings only for Middleton; $9,649 in other materials for Law.
	(19)	Includes $111,360 paid to the Southeastern Library Network included under other operating expenditures.
	(24)	Includes $208,925 in salaries paid to Graduate Assistants.
McGILL		All figures are as of May 31, 1991.
	(1-3, 5-8)	Excludes government documents.
	(3)	Figures in previous years reflected an increase in withdrawals due to automation. This years' figures were not as high.
	(4)	1989-90 figure revised to 27,915; monograph volumes added were reported instead of monograph volumes purchased.
	(18)	Included in Monographs Expenditures (16) and Serials expenditures (17).
	(19)	Includes Tattletape ($29,938 Can.); bibliographic searching ($316,112 Can.); retrospective conversion bibliographic searching ($28,553 Can.); and memberships ($30,840 Can.).
	(23)	Includes contracted security services ($236,840 Can.).
	(26)	Includes Automation equipment/installation costs ($109,628 Can.); and capital equipment ($236,840 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,885,700; (17) $2,557,466; (18) U/A; (19) $405,443; (20) $4,848,609; (21) $190,365; (22) $4,426,000; (23) $5,762,630; (24) $566,360; (25) $10,754,994; (26) $1,162,107; (27) $16,956,075.
		Total part-time student figure reported is FTE; headcount is 11,049.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
McGILL (cont'd)		1989-90 figure revised to 1505. (The FTE of part-time and auxiliary teaching staff was included in error.)
McMASTER		All figures are as of April 30, 1991.
	(1-3, 5-8)	Includes government documents; based on a volume count and ARL formula.
	(1)	1989-90 figure revised.
	(13)	Includes 3 contract; 1.5 cost recovery; and 0.5 special funds positions.
	(14)	Includes 1 contract; 1 cost recovery; 0.5 special funds and contract positions.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,857,232; (17) $2,789,858; (18) $17,322; (19) $28,686; (20) $4,693,098; (21) $134,891; (22) $1,975,933; (23) $3,800,778; (24) $373,994; (25) $6,150,705; (26) $536,306; (27) $11,515,000.
MANITOBA		All figures are as of March 31, 1991.
	(1-3, 5-8)	Excludes government documents.
	(12-13)	Includes 1 FTE professional and 2.51 FTE non-professional paid from grant funds.
	(18, 19)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $752,371; (17) $2,249,063; (18) U/A; (19) U/A; (20) $3,001,434; (21) $160,898; (22) $2,667,840; (23) $3,587,919; (24) $655,330; (25) $6,911,089; (26) $1,272,836; (27) $11,346,257.
MARYLAND		College Park Campus. Figures include the College of Library and Information Services Library only for collections, and materials expenditures.
	(1-3, 5-8)	Includes government documents.
	(14, 25)	Expenditures for federal work study students are excluded, but these students are included in the calculation of FTE student assistants.
		Ph.D. count includes all doctoral fields.
MASSACHUSETTS	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised.
		Ph.D.s. awarded excludes 129 Ed.D. degrees.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
MIT	(1-3, 5-8)	Includes government documents.
	(19)	Includes bibliographic utilities ($178,954) and literature searching ($192,722).
MIAMI	(1-3)	Excludes government documents.
	(8)	Includes government documents.
	(22)	Excludes director's salary.
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan-Flint Library.
	(1-3, 5-8)	Includes government documents.
	(17)	Includes microform serials.
MICHIGAN STATE	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure adjusted by -670,308 to remove uncataloged government documents.
	(5, 7)	Includes some monographic series that cannot be disaggregated.
	(12)	Includes .6 FTE paid from grant funds.
	(13)	Includes 1.2 FTE paid from grant funds.
	(14)	Includes .5 FTE paid from grant funds and 22.5 FTE from cost recovery funds.
	(17)	Includes expenditures for some monographic series that cannot be disaggregated.
	(18)	Included in Monographs Expenditures (16) and Serial Expenditures (17).
MINNESOTA	(1-3, 5-8)	Excludes government documents
MISSOURI	(1-3, 5-8)	Excludes government documents.
	(5, 7)	Includes law monographic series.
	(19)	Includes $15,000 paid to OCLC by Law Library and $35,642 for computer-assisted legal research $2,798 for automation
	(22)	Includes $135,765 for UM-Wide Library Systems Office for online catalog.
	(26)	Includes $476,856 for UM-Wide Library Systems Office for online catalog.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NATIONAL AGRICULTURAL LIBRARY		U.S.D.A. field libraries are not included.
		All figures are as of September 30, 1991.
	(1-3, 5-8)	Includes government documents.
	(2)	Serial volumes added estimated from count of unbound issues; binding of periodicals is not current.
	(20)	Significant increase in appropriations in 1990.
	(21)	Large increase received for contract binding in 1990.
NATIONAL LIBRARY OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1991.
	(1-3, 8)	Excludes government documents.
	(4)	In addition to monographs purchased, two copies of documents published in Canada are received on legal deposit.
	(12-15)	Authorized person-years.
	(16, 17)	Canadian monographs and serials are received on legal deposit.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $164,385; (17) $894,825; (18) $2,214,939; (19) U/A; (20) $3,589,553; (21) $56,199; (22) U/A; (23) U/A; (24) U/A; (25) $21,613,098; (26) $11,212,854; (27) $36,471,699.
	(22-25)	Includes fringe benefits.
NATIONAL LIBRARY OF MEDICINE		All figures are as of September 30, 1991.
	(1-3, 5-8)	Includes government documents; based on a combination of titles and volume counts.ß
	(12-27)	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations.
NEBRASKA	(1-3, 5-8)	Includes government documents.
	(1-3)	Includes uncataloged documents at Law Library.
	(4)	Reflects titles purchased at main library. Figure not available for Law Library.
	(13)	Includes 2 FTE temporary.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NEBRASKA (cont'd)	(14)	Lower figure compared to 1989-90 due to using 1990-91 ARL instructions for calculating student assistant FTE.
	(19)	Main library only.
	(20)	Includes $105,205 for "memberships" and "package plans" (main library) and $29,010 for literature searching (Law Library).
	(21)	Excludes $1,260 from main library's contract binding budget used for conservation services.
	(26)	Excludes $24,863 "maintenance" funds from main library budget. Includes $3,520,731 second year allocation for automation. Includes $49,866 one-time allocation for Local Area Network.
NEWBERRY LIBRARY	(1-3, 5-8)	Excludes government documents.
	(4)	Count is in volumes, either purchased or givern.
	(7)	In the past only counted periodicals.
	(8)	Recorded number of microform units.
	(25,26)	Includes salaries and wages associated with buildings, maintenance, and the Division of Research and Education.
NEW MEXICO		Medical Center Library bibliographic units are nearly equivalent to physical volumes.
		The UNM Medical, Law, and General Libraries are autonomous library systems within the University, which are administered and funded separately from one another.
	(1-3, 5-8)	Includes government documents.
	(1-3)	Figures for General Library include some non-print volumes.
	(4)	Law Library reported number of volumes purchased. General Library reported number of titles purchased; these figures were converted to estimated volumes by multiplying by a conversion factor of 1.2. Medical Center Library reported bibliographic units purchased, which is essentially equivalent to volume count.
	(12)	Includes .5 FTE professional in General Library paid from grant funds.
NEW YORK		All figures as of August 31, 1991.
	(1-3, 8)	Excludes government documents.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NEW YORK (cont'd)	(12)	Includes professionals who are not librarians.
		Did not include professional schools in 1989-90 figures.
NEW YORK PUBLIC LIBRARY	(1-3, 5-8)	Includes government documents.
	(15)	Includes number of positions authorized; does not reflect number of positions filled/vacant at any given time. Number also includes one-time only project positions.
	(12-13)	Separate figures unavailable.
	(22-23)	Separate figures unavailable.D
NEW YORK STATE LIBRARY		All figures as of March 31, 1991.
	(1-3, 5-8)	Includes government documents.
	(15,27)	Includes figures for NEH, and Library fund as well as State and LSCA funds.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	(1-3, 5-8)	Includes government documents.
	(12,13)	Includes 4 FTE professionals and 2.5 FTE non-professionals on special grant funds; includes 3 FTE paid from funds contributed by Duke and North Carolina State Universities for support of the Triangle Research Libraries Network.
	(27)	Includes $2,088,580 in grants, trust, and other special funds; excludes $281,415 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
	(1, 5-7)	Government documents included as of 1989-90.
	(4)	Includes some monographic standing order items paid from serials funds.
	(8)	Includes government document microforms.
	(12)	Includes 1.7 FTE professional in grant-funded position.
	(16-17)	Some monographic series are paid from serials funds (counted in 17).
	(19)	Includes bibliographic utilities ($77,794), and memberships ($36,566).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NORTHWESTERN		Includes Dental Library.
		All figures are as of August 31, 1991.
	(1)	1989-90 figure was revised.
	(1-3,8)	Excludes government documents.
		Medical School academic full-time faculty are treated as full-time in 1990-91.
NOTRE DAME	(1-3, 5-8)	Excludes government documents.
	(2)	Includes 30,000 Law Library volumes purchased 6-28-90 but added to the collection 9-1-90 and 6-30-91.
	(26)	Increase due to receipt of grants.
OHIO STATE	(1-3, 5-8)	Includes government documents.
	(5-6)	Apportionment of purchased and nonpurchased serials reflects completed analysis of recently computerized serial acquisition records.
	(15)	Includes 5.2 FTE positions funded by grants.
	(18, 19)	Includes only Law Library expenditures. Data for other libraries included in Monographs Expenditures (16) and Serials Expenditures (17).
	(26)	Includes expenditures attributed in 1983-84 and earlier years to the University computer center.
OKLAHOMA		Volume count is bibliographical, reported in previous years as physical.
	(1-3, 8)	Excludes government documents.
OKLAHOMA STATE		Includes OSU Technical Branches in Oklahoma City and Okmulgee, and the College of Osteopathic Medicine in Tulsa.
	(1-3, 8)	Includes government documents.
	(2-4)	Volumes added and held includes volume-equivalents in government documents not added since 1986-87.
	(22-25)	1989 and 1990 figures included fringe benefits but reporting has been revised with 1991.
OREGON	(1-3, 8)	Excludes government documents.
	(5-7)	Excludes duplicate subscriptions. Serials counts are revised from 1989-90 as a result of database review and subsequent purging of monographic series and dead titles.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
OREGON (cont'd)	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(19)	Includes bibliographic utilities, online searching, shipping charges, and miscellaneous.
		Full-time faculty figure represents tenured and tenure-track faculty.
PENNSYLVANIA	(1-3, 5-8)	Includes government documents.
	(4)	1989-90 figure was revised.
	(12)	In 1989-90 4 FTE were erroneously omitted on the questionnaire. 1990-91 figure includes 2 FTE funded by a grant.
	(13)	In 1989-90 10.5 FTE were erroneously omitted on the questionnaire.
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., Du Bois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Penn State Erie, Penn State Great Valley, Penn State Harrisburg, Schuykill, Shenango Valley, Wilkes-Barre, Worthington Scranton, York, Capital College.
	(1-3, 5-8)	Includes government documents.
	(1-3)	Figure represents full staffing and the incorporation of new collections.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville.
	(1)	1989-90 figure revised.
	(1-3, 5-8)	Includes government documents.
	(18)	Excludes microforms, except for Law Library.
	(26)	Excludes $2,031,968 in fringe benefits paid by the library, which was included in previous years.
		Faculty figures include both instructional faculty and faculty identified otherwise.
PRINCETON	(1-3, 5-8)	Includes government documents; based on ARL formula. (1) Includes 396,561 cataloged documents; (2) Includes 29,003 cataloged documents.
	(25)	Figures prior to 1985-86 included fringe benefits.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
PRINCETON (cont'd)	(26)	Figures before FY91 do not include non-salary expenditures for grant funded projects or photo-services.
PURDUE	(1-3)	Includes government documents.
		Total part-time students for fall 1989 should have been 4,698 (1989-90 Report).
		Total part-time graduate students for fall 1989 should have been 2,018 (1989-90 Report).
QUEEN'S		All figures are as of April 30, 1991.
	(1-3, 7)	Excludes government documents.
	(8)	1,169,998 of total represents government documents (Readex microprint cards, microfilm, microfiche and magnetic tapes).
	(9)	Formula used: 12.6 items per shelf foot x 19,478 shelf feet; 3500 to 4000 pieces added each year.
	(12)	Includes 3 FTE Librarian contract positions paid on soft money, not operating funds.
	(13)	Includes 12 positions declared redundant in FY91.
	(17)	Includes microforms.
	(18)	Includes audiovisual material only.
	(24)	No summer project funding received in FY91.
	(26)	Includes $243,000 cost-recovery photocopy expenditures. Copiers were upgraded and monthly lease payments were substantially increased.
		Enrollments as of November 1, 1990.
		All ranks combined, including deans and excludng medical and dental instructors. 1990-91 Statistics Canada submission figure..
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,476,031; (17) $2,565,235; (18) $24,736; (19) 0; (20) $4,065,002; (21) $153,690; (22) U/A; (23) U/A; (24) $265,649; (25) $5,634,019; (26) $553,684; (27) $10,406,395.
RICE	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised to include locally cataloged monographs not in the online catalog
	(10-11)	Does not include borrowing and lending activity of our fee-based off-campus information delivery operation.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
RICE (cont'd)	(12-14)	Changes from previous years result from changes in the way the data were collected and do not reflect a reduction in force.
	(14)	Includes temporary hourly workers hired.
	(22-27)	Includes cost recovery expenditures and expenditures from other university cost centers for core library services.
ROCHESTER	(1-3)	Excludes government documents.
	(5-7)	Includes government documents.
	(4-6)	U/A for Sibley Music Library.
	(8)	Excludes government documents; excludes figure for Edward G. Miner Library.
	(9)	Excludes figure for Sibley Music Library.
	(12,22)	Includes Sibley Music Library Director.
	(12)	Includes 1 FTE grant-funded position excluded from Salaries and wages - professional staff (22).
	(13)	Includes 2.5 FTE grant-funded positions (not included in Salaries and Wages - non-professional staff (23))
	(16)	Includes other library materials for Rush Rhees Library.
	(17)	Includes monographs and publishers' series for Rush Rhees Library.
	(25)	The benefits rate for Librarians for FY91 was 25%, for Professional, Administrative and Supervisory staff 26% and for non-exempt staff 26%.
		Graduate enrollments exclude MD students, but include other advanced degree students, e.g. Masters and PhDs in the Medical School.
RUTGERS		Figures include two law libraries; services to a non-Rutgers medical school; and campuses in Camden, Newark, and New Brunswick.
	(20,23)	Excludes staff hired for special projects and grants.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
		Figures are as of April 30, 1991 except adjustments for retrospective database conversions which are for date of compilation (April 9).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SASKATCHEWAN (cont'd)	(1)	1989-90 figure revised. Includes retrospective CODOC cataloguing of government publications. Totals, adds and withdrawals reflect document conversion to volume equivalents per ARL formulas. Excludes Special Collections retrospective conversion to public database (OPC) of pamphlets (7,487 records April 9) and manuscripts (707 records April 9). Theses records are already included in system-wide OPC.
	(1-3, 5-8)	Includes government documents.
	(4)	Titles purchased.
	(6)	Includes 3,459 government publication subscriptions received on deposit and 873 others.
	(8)	1989-90 figure revised to 2,171,359 because of inclusion of government publications.
	(18)	Included in Monographs Expenditures (16).
	(16-27)	Expenditures reported in Canadian dollars are: (16) $1,376,080; (17) $2,657,036; (18) U/A; (19) 0; (20) $4,033,116; (21) $132,683; (22) $1,805,797; (23) $3,127,084; (24) $235,385; (25) $5,168,266; (26) $633,138; (27) $9,967,203.
SMITHSONIAN		Excluded are: Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art and National Portrait Gallery. Branches outside Washington D.C. include: Center for Astrophysics (formerly Smithsonian Astrophysical Observatory), Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum of Decorative Arts and Design, New York City, and Smithsonian Tropical Research Institute, Panama. All figures are as of September 30, 1991. Basis of volume count is physical, reported in previous years as bibliographical.
	(2)	Represents volumes received in the branches. Microforms are not included.
	(4)	Includes the number of titles, not volumes.
	(5)	Includes an adjustment of 405 cancellations in FY 1990 not reported last year, and net reduction of 20 in FY 1991.
	(10)	Loans to outside Smithsonian Institution Libraries only.
	(11)	Per new instruction, now also includes items received thru document delivery.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SMITHSONIAN (cont'd)	(16)	Includes expenditures for both print and non-print items; the amount for non-print items cannot be disaggregated from the total.
	(17)	Figures in previous years included prepayments. In 1990-91 no prepayments were made.
	(18)	Includes $15,000 for ILL - a 91% increase over 1990 -- and $1,500 for photoduplication/ microfilming at the Library of Congress. Expenditures for additional "other" materials have been included in Monographs (16) and Serials (17).
	(19)	Includes $68,370 for database searching, $21,100 for document delivery - a 59% decrease from 1990- and $96,513 for OCLC.
	(22,23)	Actual "on board" costs. On September 30, 1991, S.I Libraries had $128,398 worth of professional vacancies and $212,741 worth of technical vacancies (full year amounts).
	(26)	Includes $313,271 contract cataloging, $119,530 for S.I. Bibliographic Information System, $51,025 Preservation services; $840 HOLLIS utility for serials check-in. The remaining $243,087 includes expenditures for general and automation supplies and equipment purchases, memberships, miscellaneous contracts.
	(27)	Does not include: $671,387 for health and medical benefits, $33,152 for travel, $17,968 for training, $2,424 for building maintenance, $63,092 for equipment maintenance and service, $28,081 for public and staff programs and some unexpended monies. S.I. Libraries total expenditures from federal and private sources totalled $6,433,907.
SOUTH CAROLINA	(1-3, 5-8)	Includes government documents.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17). 1989-90 figure revised for total full-time students and total part-time students.
SOUTHERN CALIFORNIA		Includes Andrus Gerontology Center Library, Hancock Library of Biology and Oceanography, and Arnold Schoenberg Institute Library; excludes Safety and Systems Management Library.
	(1-3, 7)	Includes government documents. 1989-90 graduate student figure was reported incorrectly.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SOUTHERN ILLINOIS		Excludes School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	(1)	1989-90 figure revised: adjusted by 19,452. Two cataloged collections previously uncounted have now been added.
	(1-3, 8)	Includes government documents.
		Number of Ph.D.s awarded excludes MD., JD., DBA., and RHD degrees.
STANFORD		Figures include Hopkins Marine Station Library.
	(1-3, 5-8)	Includes government documents.
	(2-3)	Figures are adjusted to exclude transfers internal to SUL units. (Reported in error in 1988-89).
	(15)	Includes 8.6 FTE paid from grant and contract funds.
	(16-27)	Figures are as of August 31, 1991.
	(27)	Includes $1,813,766 in grant and contract funds.
SUNY, ALBANY		Includes the Dewey Graduate Library of Public Affairs and Policy on East campus.
	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised.
	(4)	Title count.
	(16-27)	All expenditures reported for the 15-month fiscal year April 1, 1990 - June 30, 1991.
	(12-15)	Includes 1.5 FTE Professional, 5.3 nonprofessional and 6 FTE student assistants in cost recovery positions or hired from grants.
	(19)	Includes: Interlibrary Loan service, $7,331; memberships, $120,162; bibliographic utilities, $110,896; computer based reference services, $17,552; retrospective conversion, $4,697; authority control, $19,800.
SUNY, BUFFALO		Collection size figures are as of June 30, 1991.
	(1-3, 8)	Excludes government documents.
	(12-15)	Includes 8 FTE professionals, 2 FTE nonprofessional, and 12 FTE student assistants on special projects grants.
	(19)	Includes memberships ($42,200), bibliographic utilities, and literature searching ($182,294).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SUNY, BUFFALO (cont'd)	(24)	Excludes federal work-study funding.
		Ph.D.s awarded are as of June 30, 1991.
		SUNY switched to a July-June fiscal year effective 7/1/91. FY 90/91 was the transition year, thus SUNY Buffalo had a 15 month fiscal year for 90/91. Monographs purchased, ILL transactions and expenditures reported have been adjusted to a 12 month year based on our 15 month activity/expenditure period.
SUNY, STONY BROOK		Figures are as of March 31, 1991.
	(1-3, 5-8)	Includes government documents.
	(7)	Includes all serials received by Medical Library.
	(16)	Includes some microforms for main library.
	(19)	Includes bibliographic utilities and automation ($262,234); literature searching ($7,309); and memberships ($90,633); and binding ($70,000).
	(27)	Includes $334,049 from income fund.
SYRACUSE		Excludes Utica College.
	(1-3)	Includes government documents.
	(7, 8)	Excludes government documents.
	(3)	Includes a major duplicate withdrawal project.
	(4)	Figure reported is titles rather than volumes.
	(12)	Includes 5 FTE in Academic Computing Center.
	(22)	Includes $199,392 for Academic Computing Center staff.
	(26)	Includes Academic Computing Center computer rentals, collection insurance, as well as regular operating expenditures.
		Ph.D.s awarded includes all doctoral degrees.
TEMPLE	(1-3, 5-8)	Excludes government documents.
	(1)	1989-90 figure revised.
	(19)	Includes bibliographic utilities; literature searching; RLG and CRL memberships.
		Ph.D.s awarded include all doctoral degrees.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TENNESSEE	(1-3, 5-8)	Includes government documents.
	(22, 23)	Includes longevity pay.
TEXAS		All figures are as of August 31, 1991.
		Includes General Libraries, the Humanities Research Center, and Tarlton Law Library.
	(1)	1989-90 figure revised; includes 28,013 volumes added in the General Libraries from 1987-88 through 1989-90, inadvertently omitted from annually reported figures. Includes 27,718 volumes in the Marine Science Institute Library added for the first time.
	(1-3, 5-8)	Includes government documents.
	(1-3, 5-15)	For the first time includes figures for the Marine Science Institute Library (Port Aransas), a unit of the General Libraries as of February 1991.
	(4)	Includes 51,614 monographic volumes purchased for General Libraries, 2,588 for Tarlton Law Library, and 1,402 for Humanities Research Center.
	(5)	Includes 23,292 current serials purchased by General Libraries, 5,505 purchased by Tarlton Law Library and 234 by the Humanities Research Center.
	(6)	Includes 20,012 serials received, but not purchased by General Libraries, 3,071 received by Tarlton Law Library and 68 by Humanities Research Center.
	(15)	Includes 19 FTE staff hired on grant, recovery and special purchase funds.
	(16)	Includes expenditures for monographs of $1,452,165 by General Libraries, $129,610 by Tarlton Law Library and $631,598 by Humanities Research Center.
	(17)	Includes expenditures for current serials of $2,763,001 by General Libraries, $677,129 by Tarlton Law Library and $9,978 by Humanities Research Center.
	(18)	Includes expenditures of $142,621 by General Libraries and $96,777 by Tarlton Law Library.
	(19)	Includes expenditures of $23,086 by General Libraries and $126,512 by Tarlton Law Library.
	(20)	Includes expenditures of General Libraries ($4,380,873), Humanities Research Center ($641,576), and Law Library ($1,030,028).
	(24)	Includes federal work-study funds.
		Ph.D.s awarded includes D.Ed. degrees. Faculty figure is budgeted FTE.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TEXAS A&M		Medical Library is a separate academic entity; data from its two branch libraries are excluded.
		All figures are as of August 31, 1991.
	(1-3, 5-8)	Includes government documents.
	(5-7)	Figures include FY91 numbers for the Medical Library and FY90 numbers for Evans Library.
	(26)	Includes $750,000 for Computer Services Center operations of NOTIS.
TORONTO		All figures are as of April 30, 1991.
		Includes only the libraries of the university within the President's budget; excludes those of the federated and affiliated institutions.
	(1-3, 5-8)	Includes government documents.
	(1, 3, 5, 7)	Includes monographic series.
	(18, 19)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $4,250,356; (17) $4,767,591 (18) U/A; (19) U/A; (20) $9,017,947; (21) $326,382; (22) $8,087,987; (23) $10,740,926; (24) $1;153,074 (25) $19,981,987; (26) $3,502,747; (27) $32,829,063.
TULANE		Includes Delta Regional Primate Research Center in Covington, Louisiana.
	(1-3, 8)	Includes government documents.
	(4)	Figure is a combination of titles and volumes.
	(19)	No longer includes SOLINET charges, which are now under "Other Operating Expenditures."
		Faculty figure includes School of Medicine and School of Public Health and Tropical Medicine.
UTAH	(1-3)	Includes government documents.
	(7-8)	Excludes government documents.
	(7)	Prior year serial count adjusted to eliminate U.S. government documents.
	(17)	Figure in previous years reflects prepayments made in May and June of 1989-90.
	(26)	Includes one time costs of $831,581 for remote storage facility.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
VANDERBILT	(1-3, 8)	Includes government documents.
	(1)	1989-90 figure revised to include 28,881 documents volumes. Cataloged documents volumes are estimated with the formula 5.2 volumes per linear foot for the portion of the federal depository collection covered by online catalog records. Excludes 19,000 hours of videotape.
	(17)	Includes current serials and periodicals purchased in microform.
	(17, 18)	Other Library Materials Expenditures (18) for Law and Medical libraries are included in Serials Expenditures (17).
	(18)	Data tapes, microfilm subscriptions, CD-ROM included in (16) and (17) as appropriate.
		Full-time instructional faculty figure includes clinical faculty.
VIRGINIA	(1-3)	Excludes government documents.
	(5-7)	Excludes government document serials. Includes monographic series in Health Sciences Library and Law Library.
	(8)	Includes government documents microforms.
	(9)	Includes all U.S., international, and Virginia state documents in separate documents collection, including those represented by OPAC records.
	(17)	Includes expenditures for monographic series in Health Sciences Library and Law Library.
VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	(1-3, 5-8)	Includes government documents; based on ARL formula.
	(5-8)	Estimated figures.
	(9)	Count based on 52 documents pieces per foot.
	(12)	Includes 3 non-faculty department head positions.
	(17)	Includes pre-payment of $547,336.
	(19)	Includes bibliographic utilities ($175,000); literature searching ($33,335); binding supplies and contractual services ($13,532); miscellaneous ($67,726).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
WASHINGTON	(1-3, 5-8)	Includes government documents; count based on sampling.
	(1)	1989-90 figure revised.
	(4, 7)	Excludes Law Library.
	(12-15)	Includes 1 FTE professional, 5.5 FTE nonprofessionals, and 8 FTE students paid from cost recovery operations.
	(19)	Includes Law Library only.
WASHINGTON STATE	(1-3, 5-8)	Includes government documents.
	(12-15)	Includes staff for Instructional Media Services.
	(16, 17)	Includes microforms and CD-ROMs.
	(18)	Includes figures for Instructional Media Service purchase of film and videos only.
WASHINGTON, ST. LOUIS	(13, 8)	Includes government documents.
	(4)	Figures unavailable for Medical Library.
	(5-7)	No separate figures for Medical Library for serials purchased and received.
	(9)	Includes Social Work Library.
	(18)	Separate figure not available for the Central Library system.
	(19)	Includes literature searching, bibliographic utilities, ILL, memberships. Figures unavailable for Medical Library.
	(26)	Excludes approximately $651,877 fringe benefits expended from libraries' budgets.
		Definition of faculty was changed in 1990-91 to conform with AAUP reporting guidelines. Change is a result of reclassification and not a reduction of faculty. Faculty figures exclude Medical School faculty.
WATERLOO		Figures include the University Map and Design Library, the Davis Library, and the Optometry Reading Room.
		All figures are as of April 30, 1991.
	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
WATERLOO (cont'd)	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,832,254; (17) $2,113,149; (18) U/A; (19) U/A; (20) $3,945,403; (21) $103,306; (22) $2,362,049; (23) $3,261,967; (24) $323,459; (25) $5,947,475; (26) $813,017; (27) $10,809,201.
WAYNE STATE		All figures are as of September 30, 1991.
		Includes Reuther Archives of Labor and Urban Affairs, and College of Pharmacy and Allied Health Professions.
	(1-3, 5-8)	Includes government documents; based on sampling.
	(2)	Includes adjustment of 124,681 for government documents.
	(8)	Includes adjustment of 985,755 for government documents.
	(18)	Included in Monographs Expenditures (16) and Serials Expenditures (17).
WESTERN ONTARIO		Excludes libraries of three affiliated colleges and School of Library and Information Science.
		All figures are as of April 30, 1991.
	(1-3, 5-8)	Includes government documents.
	(15)	Based on 35 hour work week.
	(18)	Included in Monographs Expenditures (16).
	(22,23)	Professional and non-professional salaries and wages cannot be separated.
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,793,856; (17) $3,282,453; (18) U/A; (19) 0; (20) $5,076,309; (21) $213,750; (22) $U/A; (23) $7,253477; (24) $839,210; (25) $8,092,687; (26) $735,339; (27) $14,118,085.
WISCONSIN		Tape loaded records for government documents in July 1991; volume conversion will be done in 1991-92 statistics report.
	(1)	Includes maps.
	(5, 7)	Includes some government documents serials that are cataloged, classified, and shelved as part of the general collection.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
YALE		Includes Lewis Walpole Library in Farmington, Connecticut.
	(1-3, 5-8)	Excludes government documents.
	(1-4)	Figures based, in part, on estimated figures. Excludes typewritten, handwritten, and mimeographed works (treated as manuscript materials).
	(5-6)	Estimated figures.
	(5-7)	Excludes newspapers.
	(7)	1989-90 figure revised.
	(13)	Includes casual positions.
YORK		All figures are as of April 30, 1991.
		Includes Glendon Campus.
	(1-3, 5-8)	Includes government documents.
	(1)	1989-90 figure revised.
	(26)	Includes bibliographic utilities ($107,141 Can.) and online searching ($12,493 Can.).
	(16-27)	Expenditures reported in Canadian dollars were: (16) $1,438,786; (17) $2,252,190; (18) $82,277; (19) $117,590; (20) $3,890,843; (21) $217,743; (22) $2,998,122; (23) $4,205,729; (24) $757,001; (25) $7,960,852; (26) $1,732,816; (27) $13,802,254.

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